

July 31, 2007

Mr. Anand Helekar
TRC
21 Technology Drive
Irvine, CA 92618

RE: P2701887
WDI

Dear Mr. Helekar:

Enclosed are the results of the sample(s) submitted to our laboratory on June 26, 2007. For your reference, these analyses have been assigned our service request number P2701887.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 269 pages.

Columbia Analytical Services is certified by the California Department of Health Services, Certificate No. 2380; Arizona Department of Health Services, Certificate No. AZ0694; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661. Please contact me for specific method(s) and analyte(s) corresponding to a particular certification.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

Columbia Analytical Services, Inc.



FOR

Kate Aguilera
Project Manager

Page
1 of 269

LABORATORY REPORT

Client: TRC

Date of Report: 07/31/07

Address: 21 Technology Drive

Date Received: 06/26/07

Irvine, CA 92618

CAS Project No: P2701887

Contact: Mr. Anand Helekar

Purchase Order: IRV-804336

Client Project ID: WDI

Twenty-seven (27) Stainless Steel Summa Canisters labeled:

"WDI-VW-39-S-6-23-07"	"WDI-VW-39-D-6-23-07"	"WDI-VW-88-S-6-23-07"
"WDI-VW-38-D-6-23-07"	"WDI-VW-37-S-6-23-07"	"WDI-VW-37-D-6-23-07"
"WDI-VW-56-S-6-23-07"	"WDI-VW-56-S-6-23-07-SC"	"WDI-VW-56-I-6-23-07"
"WDI-VW-56-D-6-23-07"	"WDI-VW-42-S-6-24-07"	"WDI-VW-42-D-6-24-07"
"WDI-VW-55-S-6-24-07"	"WDI-VW-55-I-6-24-07"	"WDI-VW-55-D-6-24-07"
"WDI-VW-61-S-6-24-07"	"WDI-VW-61-I-6-24-07"	"WDI-VW-61-D-6-24-07"
"WDI-VW-31-S-6-24-07"	"WDI-VW-46-S-6-24-07"	"WDI-VW-46-I-6-24-07"
"WDI-VW-46-D-6-24-07"	"WDI-VW-46-D-6-24-07"	"WDI-VW-31-D-6-24-07"
"WDI-VW-29-S-6-24-07"	"WDI-VW-29-I-6-24-07"	"WDI-VW-29-D-6-24-07"

The samples were received at the laboratory under chain of custody on June 26, 2007. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Methane and Total Gaseous Non-Methane Organics as Methane Analysis

The samples were analyzed for methane and total gaseous non-methane organics as methane according to modified EPA Method 25C. The analyses included a single sample injection (method modification) analyzed by gas chromatography using flame ionization detection/total combustion analysis.

Fixed Gases Analysis

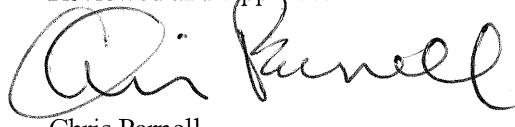
The samples were also analyzed for fixed gases (hydrogen, oxygen/argon, nitrogen, carbon monoxide, methane and carbon dioxide) according to modified EPA Method 3C (single injection) using a gas chromatograph equipped with a thermal conductivity detector (TCD).

Reviewed and Approved:



Wade Henton
GC-VOA Team Leader
Air Quality Laboratory

Reviewed and Approved:



Chris Parnell
GCMS-VOA Team Leader
Air Quality Laboratory

CAS Project No: P2701887

Volatile Organic Compound Analysis

The samples were also analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. However, the method was modified to include pressurization with Helium. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical systems used were comprised of an Agilent Model 5973inert GC/MS/DS and a Hewlett Packard Model 5972 GC/MS/DS each interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The percent difference CCV report includes both positive and negative percent difference calculations, where positive percent differences correspond to biased low results and negative percent differences to biased high results.

The percent relative standard deviation for the initial calibration for acetone was outside the client specified requirements on the instrument labeled MS8; however, it was within the method requirements.

Acetone and 2-hexanone were biased low on the closing continuing calibration verification on July 3, 2007, on the instrument labeled MS8.

On July 3 and 5, 2007, carbon tetrachloride was biased low on the CRQL on the instrument labeled MS2.

On July 6, 2007, tetrachloroethene and 1,2-dichlorobenzene were biased high on the CRQL on the instrument labeled MS2. However, these analyses were for dilutions of other compounds.

Vinyl acetate was biased high on the closing continuing calibration verification on July 5, 2007, on the instrument labeled MS2.

The closing continuing calibration for July 6, 2007 was inadvertently not analyzed.

The percent difference for vinyl acetate was outside the continuing calibration verification (CCV) method requirements on July 6, 2007 on the instrument labeled MS2. The method reporting limit (MRL) was not affected because the response factor was biased high and these analyses were for dilutions of other compounds.

The closing continuing calibration for July 6, 2007 was inadvertently not analyzed.

The results of analyses are given in the attached data package. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC

Work order: P2701887

Project: WDI

Sample(s) received on: 06/26/07 Date opened: 06/26/07 by: MZ

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		<u>Yes</u>	<u>No</u>	<u>N/A</u>
1	Were sample containers properly marked with client sample ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Did sample containers arrive in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Were chain-of-custody papers used and filled out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Did sample container labels and/or tags agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Was sample volume received adequate for analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Are samples within specified holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Was proper temperature (thermal preservation) of cooler at receipt adhered to?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Cooler Temperature	NA	°C	
	Blank Temperature	NA	°C	
8	Were custody seals on outside of cooler/Box?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)?			Sealing Lid?
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were custody seals on outside of sample container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)?			Sealing Lid?
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	Is pH (acid) preservation necessary, according to method/SOP or Client specified information?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Is there a client indication that the submitted samples are pH (acid) preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were VOA vials checked for presence/absence of air bubbles?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	Tubes: Are the tubes capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Do they contain moisture?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Badges: Are the badges properly capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Are dual bed badges separated and individually capped and intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2701887-001			NA	
P2701887-002			NA	
P2701887-003			NA	
P2701887-004			NA	
P2701887-005			NA	
P2701887-006			NA	
P2701887-007			NA	
P2701887-008			NA	
P2701887-009			NA	
P2701887-010			NA	

Explain any discrepancies: (include lab sample ID numbers):

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC

Work order: P2701887

Project: WDI

Sample(s) received on: 06/26/07 Date opened: 06/26/07 by: MZ

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2701887-011			NA	
P2701887-012			NA	
P2701887-013			NA	
P2701887-014			NA	
P2701887-015			NA	
P2701887-016			NA	
P2701887-017			NA	
P2701887-018			NA	
P2701887-019			NA	
P2701887-020			NA	
P2701887-021			NA	
P2701887-022			NA	
P2701887-023			NA	
P2701887-024			NA	
P2701887-025			NA	
P2701887-026			NA	
P2701887-027			NA	

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-39-S-6-23-07**Client Project ID:** WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-001

Test Code: EPA Method 25C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00635

Pi 1 = -3.4 Pf 1 = 3.5

D.F. = 1.61

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	15	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-39-S-6-23-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-001DUP

Test Code: EPA Method 25C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00635

Pi 1 = -3.4 Pf 1 = 3.5

D.F. = 1.61

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	16	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Sample ID: WDI-VW-39-D-6-23-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-002

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00916

Date Collected: 6/23/07
Date Received: 6/26/07
Date Analyzed: 7/5/07

Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.1 Pf 1 = 3.5
Pi 2 = -2.0 Pf 1 = 0.6 D.F. = 1.89

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.95	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	11	1.9	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Sample ID: WDI-VW-38-S-6-23-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-003

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00657

Date Collected: 6/23/07
Date Received: 6/26/07
Date Analyzed: 7/5/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -4.1 Pf 1 = 3.6
D.F. = 1.73

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.87	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	13	1.7	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-38-D-6-23-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-004

Test Code: EPA Method 25C Modified

Date Collected: 6/23/07

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: 6/26/07

Analyst: Wade Henton

Date Analyzed: 7/5/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

Container ID: SC00917

Pi 1 = -3.0 Pf 1 = 3.5
Pi 2 = -1.9 Pf 1 = 0.4 D.F. = 1.84

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	730	0.92	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	11	1.8	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-37-S-6-23-07**Client Project ID:** WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-005

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00873

Date Collected: 6/23/07
Date Received: 6/26/07
Date Analyzed: 7/5/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -4.0 Pf 1 = 3.6
D.F. = 1.71

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	1.1	0.86	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	8.3	1.7	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-37-D-6-23-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-006

Test Code: EPA Method 25C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00576

Pi 1 = -3.8 Pf 1 = 3.9

D.F. = 1.71

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.86	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	12	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-56-S-6-23-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-007

Test Code: EPA Method 25C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00915

Pi 1 = -3.5 Pf 1 = 3.4

D.F. = 1.62

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	8.2	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	11	1.6	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-56-S-6-23-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-007DUP

Test Code: EPA Method 25C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00915

Pi 1 = -3.5 Pf 1 = 3.4

D.F. = 1.62

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	7.8	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	9.9	1.6	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-56-S-6-23-07-SC

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-008

Test Code: EPA Method 25C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00904

Pi 1 = -3.8 Pf 1 = 3.6

D.F. = 1.68

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	8.5	0.84	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	10	1.7	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-56-I-6-23-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-009

Test Code: EPA Method 25C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00954

Pi 1 = -3.7 Pf 1 = 3.5

D.F. = 1.65

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	2.6	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	9.8	1.7	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-56-D-6-23-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-010

Test Code: EPA Method 25C Modified

Date Collected: 6/23/07

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: 6/26/07

Analyst: Wade Henton

Date Analyzed: 7/6/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

Container ID: SC00850

Pi 1 = -2.9 Pf 1 = 3.5

D.F. = 1.54

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	2.2	0.77	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	11	1.5	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-42-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-011

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00794

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/6/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.0 Pf 1 = 3.7
Pi 2 = -1.9 Pf 2 = 0.5 D.F. = 1.86

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.93	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	6.4	1.9	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-42-D-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-012

Test Code: EPA Method 25C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00653

Pi 1 = -3.2 Pf 1 = 3.6

D.F. = 1.59

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	8.1	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-55-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-013

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00086

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/6/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.7 Pf 1 = 4.1

D.F. = 1.57

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	220	1.6	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-55-I-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-014

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00527

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/6/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.1 Pf 1 = 3.5

D.F. = 1.57

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	410	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	9.9	1.6	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-55-D-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-015

Test Code: EPA Method 25C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00626

Pi 1 = -2.6 Pf 1 = 3.5

D.F. = 1.50

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	580	0.75	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	7.2	1.5	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-61-S-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-016

Test Code: EPA Method 25C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00805

Pi 1 = -3.4 Pf 1 = 4.1

D.F. = 1.66

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	3.1	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	7.3	1.7	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-61-I-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-017

Test Code: EPA Method 25C Modified

Date Collected: 6/24/07

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: 6/26/07

Analyst: Wade Henton

Date Analyzed: 7/6/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

Container ID: SC00413

Pi 1 = -3.8 Pf 1 = 3.5

D.F. = 1.67

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	2.5	0.84	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	12	1.7	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-61-D-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-018

Test Code: EPA Method 25C Modified

Date Collected: 6/24/07

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: 6/26/07

Analyst: Wade Henton

Date Analyzed: 7/6/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

Container ID: SC00899

Pi 1 = -2.6 Pf 1 = 3.7

D.F. = 1.52

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	2.1	0.76	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	9.2	1.5	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-31-S-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-019

Test Code: EPA Method 25C Modified

Date Collected: 6/24/07

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: 6/26/07

Analyst: Wade Henton

Date Analyzed: 7/6/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

Container ID: SC00372

Pi 1 = -2.9 Pf 1 = 3.5

D.F. = 1.54

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.77	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	7.0	1.5	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-46-S-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-020

Test Code: EPA Method 25C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00605

Pi 1 = -3.7 Pf 1 = 3.5

D.F. = 1.65

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	5.7	1.7	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-46-I-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-021

Test Code: EPA Method 25C Modified

Date Collected: 6/24/07

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: 6/26/07

Analyst: Wade Henton

Date Analyzed: 7/7/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

Container ID: SC00891

Pi 1 = -4.1 Pf 1 = 3.7

D.F. = 1.74

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	1.5	0.87	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	2.8	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: WDI-VW-46-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-022

Test Code: EPA Method 25C Modified

Date Collected: 6/24/07

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: 6/26/07

Analyst: Wade Henton

Date Analyzed: 7/7/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

Container ID: SC00688

Pi 1 = -3.9 Pf 1 = 3.5

D.F. = 1.69

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	1.6	0.85	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	2.8	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Sample ID: WDI-VW-46-D-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-022DUP

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00688

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/7/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.9 Pf 1 = 3.5
D.F. = 1.69

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	1.5	0.85	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	2.7	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: **TRC**

Client Sample ID: **WDI-VW-46-D-6-24-07-SC**

CAS Project ID: P2701887

Client Project ID: **WDI**

CAS Sample ID: P2701887-023

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00871

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/7/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -4.7 Pf 1 = 3.5
D.F. = 1.82

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	1.5	0.91	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	3.1	1.8	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-31-D-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-024

Test Code: EPA Method 25C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/7/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00232

Pi 1 = -3.1 Pf 1 = 3.4

D.F. = 1.56

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.78	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	5.6	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Sample ID: WDI-VW-29-S-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-025

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00180

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/6/07

Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.8 Pf 1 = 3.5

D.F. = 1.67

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	1.4	0.84	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	3.3	1.7	

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-29-I-6-24-07**Client Project ID:** WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-026

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00150

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/6/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -0.3 Pf 1 = 3.6

D.F. = 1.27

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.64	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	7.2	1.3	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** WDI-VW-29-D-6-24-07

CAS Project ID: P2701887

Client Project ID: WDI

CAS Sample ID: P2701887-027

Test Code: EPA Method 25C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/FID/TCA Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.50 ml
Test Notes:
Container ID: SC00864

Pi 1 = -3.7 Pf 1 = 3.6

D.F. = 1.66

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	9.2	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P070705-MB

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 7/5/07
Volume(s) Analyzed: 0.50 ml

D.F. = 1.00

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.50	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** Method Blank**Client Project ID:** WDI

CAS Project ID: P2701887

CAS Sample ID: P070706-MB

Test Code: EPA Method 25C Modified

Date Collected: NA

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: NA

Analyst: Wade Henton

Date Analyzed: 7/6/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

D.F. = 1.00

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.50	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC**Client Sample ID:** Method Blank**Client Project ID:** WDI

CAS Project ID: P2701887

CAS Sample ID: P070707-MB

Test Code: EPA Method 25C Modified

Date Collected: NA

Instrument ID: HP5890II/GC1/FID/TCA

Date Received: NA

Analyst: Wade Henton

Date Analyzed: 7/7/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 0.50 ml

Test Notes:

D.F. = 1.00

CAS #	Compound	Result	MRL	Data Qualifier
		ppmV	ppmV	
74-82-8	Methane	ND	0.50	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Sample ID: Lab Control Sample
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P070705-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 7/05/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	% Recovery LCS	Acceptance Limits	Data Qualifier
Methane	57.5	54.0	94	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	315	91	90-110	

39

Verified By: μ Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Sample ID: Lab Control Sample
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P070706-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA

Analyst: Wade Henton
Sampling Media: Summa Canister

Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 7/06/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	% Recovery LCS	Acceptance Limits	Data Qualifier
Methane	57.5	59.1	103	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	347	101	90-110	

40
Verified By: ws Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Sample ID: Lab Control Sample
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P070707-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 7/07/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	% Recovery LCS	Acceptance Limits	Data Qualifier
Methane	57.5	54.7	95	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	316	92	90-110	

41

Verified By: w Date: 7/13/07

Response Factor Report GC 01

Method : J:\GC01\METHODS\M102006.M (Chemstation Integrator)
 Title : EPA 25C TCA/FID Analysis for TGNMO
 Last Update : Mon Oct 23 16:38:21 2006
 Response via : Initial Calibration

Calibration Files

1	=10200606.D	2	=10200607.D	3	=10200608.D
4	=10200609.D	5	=10200610.D	6	=10200611.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1)	Carbon Monoxide	5.184	5.715	5.812	6.058	6.017	6.064	5.808 E3	5
2)	Methane	6.638	6.124	6.356	6.256	6.204	6.190	6.295 E3	2
3)	Carbon Dioxide	5.461	7.056	6.139	6.279	6.073	6.194	6.200 E3	8
4)	TGNMO-1	6.773	6.683	5.923	6.159	6.535	6.429	6.417 E3	5
5)	TGMNO-2	6.773	6.683	5.923	6.159	6.535	6.429	6.417 E3	5

Vb 10/21/06

Compound #2: Methane (Page 3)

Compound #4: TGHM0.1 (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.819	5547			
2	6.000	40100			
3	16.371	96372			
4	120.000	739089			
5	4072.300	26614398			
6	29850.000	191892442			

Integration Parameter File Sum7

Tgt:

Compound #5: TGel10-2 (Page 3)

Integration Parameter File Sum?

30

10.1000

100

Pg 2

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Page 3

OK

Cancel

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Modified EPA Method 25C Report Summary

Job# : TRC P2701887

Analyst : WHH

Method Name : EPA 25C TCA/FID Analysis for TGNMO

Loop Dilution : Normal Loop (NL) = 1.00, Samll Loop (SL) = 7.33

Instrument : GC01/TCD1

Date Analyzed : ul 2007 11:44

Printed : 7/9/07

Sample Results (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGMNO-2	Back Filled	Pi1	Pf1	Pi2	Pf2
1887-001 v	0.99		Vent	9.33			-3.4	3.5		
1887-002 v	1.05		Vent	5.72			-3.1	3.5	-2.0	0.6
1887-003 v	0.56	0.38	Vent	7.26			-4.1	3.6		
1887-004 v	0.80	398.90	Vent	5.93			-3.0	3.5	-1.9	0.4
1887-005 v	0.37	0.83	Vent	4.87			-4.0	3.6		
1887-006 v	1.03		Vent	6.92			-3.8	3.9		
ab air	0.88	1.54	365.52							
1887-001 v	0.99		Vent	9.33			-3.4	3.5		
1887-001dup v	0.76		Vent	9.88			-3.4	3.5		

v = Vent CO₂vv = Vent CO₂ / CH₄

Pressure unit : psig

Final Sample Results With DF Corrected (ppm as Methane)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO (Methane)	TGNMO (Propane)	Loop Dilution	DF	File ID	Time
MDL	0.099	0.19	1.80	0.48	0.16				
MRL	5.00	0.80	5.00	1.00	0.33				
MB	ND	ND	3.1 j	ND	ND			07050702.D	11:32
1887-001 v	1.59 j	ND	Vent b	15.02	5.01	1.00	1.61	07050715.D	17:40
1887-002 v	1.99 j	ND	Vent b	10.82	3.61	1.00	1.89	07050717.D	18:09
1887-003 v	0.99 j	0.68 j	Vent b	12.53	4.18	1.00	1.73	07050716.D	18:27
1887-004 v	1.63 j	732.00	Vent b	10.89	3.63	1.00	1.84	07050719.D	18:40
1887-005 v	0.83 j	1.08	Vent b	8.32	2.77	1.00	1.71	07050720.D	18:54
1887-006 v	1.76 j	ND	Vent b	11.81	3.94	1.00	1.71	07050721.D	19:08
ab air	0.88 j	1.54	365.52 b	ND	ND	1.00	1.00	07050708.D	11:44
1887-001 v	1.59 j	ND	Vent b	15.02	5.01	1.00	1.61	07050715.D	17:40
1887-001dup v	1.22 j	ND	Vent b	15.91	5.30	1.00	1.61	07050716.D	17:55

Modified EPA Method 25C Daily QC Summary

Job# : TRC P2701887
Analyst : WHH

Instrument : GC01/TCD1
Date Analyzed : 7/6/07
Printed : 7/9/07

RT Summaries and QC Check (minutes)

VV = Vent CO₂ / CH₄

v = Vent CO₂

N/A : Not Applicable

Continuing Calibration Standards Summary (ppm)

LCS / LCS Dup Summary (ppm, without DF correction)

Lab Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
1887-001 v	1.0	ND	Vent			9.3	07050715.D	Jul 2007 17:40
1887-001 dup.v	0.8	ND	Vent			9.3	07050716.D	Jul 2007 17:55
Duplicate % RPD	26.0%					5.7%		
Duplicate Criteria % RPD	18%	21%	25%			14%		
	Fail					Pass		

W7/21/07

Modified EPA Method 25C Report Summary

Job# : TRC P2701887

Analyst : WHH

Method Name : EPA 25C TCA/FID Analysis for TGNMO

Loop Dilution : Normal Loop (NL) = 1.00, Samll Loop (SL) = 7.33

Instrument : GC01/TCD1

Date Analyzed : ul 2007 9:17

Printed : 7/9/07

Sample Results (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGMNO-2	Back Filled	Pi1	Pf1	Pi2	Pf2
1887-007 v	1.15	5.09	Vent	6.52			-3.5	3.4		
1887-008 v	1.01	5.04	Vent	6.11			-3.8	3.6		
1887-009 v	1.19	1.57	Vent	5.90			-3.7	3.5		
1887-010 v	0.63	1.44	Vent	6.95			-2.9	3.5		
1887-011 v	0.83	0.49	Vent	3.45			-3.0	3.7	-1.9	0.6
1887-012 v	1.34		Vent	5.10			-3.2	3.6		
1887-013 vv	1.01		Vent	142.03			-2.7	4.1		
1887-014 v	1.03	259.99	Vent	6.29			-3.1	3.5		
1887-015 v	0.35	386.20	Vent	4.78			-2.6	3.5		
1887-016 v	1.18	1.84	Vent	4.39			-3.4	4.1		
1887-017 v	1.29	1.50	Vent	6.92			-3.8	3.5		
1887-018 v	1.25	1.41	Vent	6.03			-2.6	3.7		
1887-019 v	0.77	0.37	Vent	4.52			-2.9	3.6		
1887-020 v	1.02	1932.69	Vent	3.47			-3.7	3.5		
1887-025 v	0.50	0.65	Vent	1.96			-3.8	3.5		
1887-026 v	1.50		Vent	5.65			-0.3	3.6		
1887-027 v	1.11		Vent	6.51			-3.7	3.6		
1887-007 dup v	1.06	4.83	Vent	6.14			-3.5	3.4		

v = Vent CO₂vv = Vent CO₂ / CH₄

Pressure unit : psig

Final Sample Results With DF Corrected (ppm as Methane)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO (Methane)	TGNMO (Propane)	Loop Dilution	DF	File ID	Time
MDL	0.099	0.19	1.80	0.48	0.16				
MRL	5.00	0.50	5.00	1.00	0.33				
MB	ND	ND	ND	ND	ND			07060703.D	09:31
1887-007 v	1.85 j	8.23	Vent	10.53	3.51	1.00	1.62	07060707.D	10:51
1887-008 v	1.69 j	8.45	Vent	10.25	3.42	1.00	1.68	07060709.D	11:20
1887-009 v	1.96 j	2.59	Vent	9.76	3.25	1.00	1.65	07060710.D	11:33
1887-010 v	0.97 j	2.22	Vent	10.71	3.57	1.00	1.54	07060711.D	11:48
1887-011 v	1.65 j	1.92	Vent	6.44	2.16	1.00	1.87	07060716.D	11:13
1887-012 v	2.13 j	ND	Vent	8.12	2.71	1.00	1.59	07060719.D	14:31
1887-013 vv	1.56 j	Vent	Vent	222.91	74.17	1.00	1.57	07060720.D	16:14
1887-014 v	1.81 j	407.91	Vent	9.87	3.29	1.00	1.57	07060721.D	16:54
1887-015 v	0.52 j	580.90	Vent	7.19	2.40	1.00	1.50	07060722.D	17:08
1887-016 v	1.95 j	3.06	Vent	7.31	2.44	1.00	1.66	07060723.D	17:33
1887-017 v	2.15 j	2.50	Vent	11.55	3.85	1.00	1.67	07060724.D	17:50
1887-018 v	1.90 j	2.14	Vent	9.17	3.06	1.00	1.52	07060725.D	18:02
1887-019 v	1.18 j	0.57	Vent	6.97	2.32	1.00	1.54	07060726.D	18:19
1887-020 v	1.68 j	-3197.72-	Vent	5.74	1.91	1.00	1.65	07060727.D	18:35
1887-025 v	0.84 j	1.42	Vent	3.20	1.09	1.00	1.67	07060712.D	12:01
1887-026 v	1.91 j	ND	Vent	7.18	2.39	1.00	1.27	07060713.D	12:13
1887-027 v	1.84 j	ND	Vent	9.17	3.06	1.00	1.66	07060714.D	12:33
1887-007 dup v	1.71 j	7.80	Vent	9.91	3.30	1.00	1.62	07060708.D	11:08

Modified EPA Method 25C Daily QC Summary

Job# : TRC P2701887

Analyst : WHH

Method Name : EPA 25C TCA/FID Analysis for TGNMO

Instrument : GC01/TCD1

Date Analyzed : 7/6/07

Printed : 7/13/07

RT Summaries and QC Check (minutes)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGMNO-2		File ID	Time
ICAL Mean RT	1.366	1.799	3.038	4.833				
RT Windows (+/- min)	0.030	0.031	0.038	0.030				
STD 100/80ppm S14-12280601 +/- 0.39min of ICAL Mean RT	1.382 Pass	1.804 Pass	3.023 Pass	4.845 Pass			07060702.D	09:17
MB				N/A	N/A		07060703.D	09:31
Lab Air	1.424 Fail	1.799 Pass	3.020 Pass	N/A	N/A		07060704.D	09:45
LCS 345ppm S14-04050602	1.385 Pass	1.807 Pass	3.026 Pass	N/A	N/A		07060705.D	10:24
1887-007 v	1.269 Fail	1.805 Pass	Vent	N/A	N/A		07060707.D	10:51
1887-007dup v	1.259 Fail	1.806 Pass	Vent	N/A	N/A		07060708.D	11:08
1887-008 v	1.261 Fail	1.808 Pass	Vent	N/A	N/A		07060709.D	11:20
1887-009 v	1.264 Fail	1.807 Pass	Vent	N/A	N/A		07060710.D	11:33
1887-010 v	1.266 Fail	1.809 Pass	Vent	N/A	N/A		07060711.D	11:48
1887-025 v	1.263 Fail	1.815 Pass	Vent	N/A	N/A		07060712.D	12:01
1887-026 v	1.252 Fail		Vent	N/A	N/A		07060713.D	12:13
1887-027 v	1.263 Fail		Vent	N/A	N/A		07060714.D	12:33
STD 100/80ppm S14-12280601	1.395 Pass	1.820 Pass	3.045 Pass	N/A	N/A		07060717.D	13:59
1887-011 v	1.269 Fail	1.828 Pass	Vent	N/A	N/A		07060718.D	14:13
1887-012 v	1.272 Fail		Vent	N/A	N/A		07060719.D	14:31
1887-013 vv	1.269 Fail	Vent	Vent	N/A	N/A		07060720.D	16:14
1887-014 v	1.266 Fail	1.822 Pass	Vent	N/A	N/A		07060721.D	16:54
1887-015 v	1.271 Fail	1.826 Pass	Vent	N/A	N/A		07060722.D	17:08
1887-016 v	1.263 Fail	1.825 Pass	Vent	N/A	N/A		07060723.D	17:33
1887-017 v	1.270 Fail	1.826 Pass	Vent	N/A	N/A		07060724.D	17:50
1887-018 v	1.269 Fail	1.820 Pass	Vent	N/A	N/A		07060725.D	18:02
1887-019 v	1.259 Fail	1.822 Pass	Vent	N/A	N/A		07060726.D	18:19
1887-020 v	1.258 Fail	1.818 Pass	Vent	N/A	N/A		07060727.D	18:35
STD 100/80ppm S14-12280601	1.395 Pass	1.821 Pass	3.048 Pass	N/A	N/A		07060728.D	18:47

VV = Vent CO₂ / CH₄

V = Vent CO₂

N/A : Not Applicable

Continuing Calibration Standards Summary (ppm)

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide		TGMNO	File ID	Time
LCS Actual Conc. (ppm)	57.9	57.5	57.9		345.0		
LCS Criteria (% Range)	86% - 122%	81% - 118%	81% - 124%		81% - 116%		
LCS 345ppm S14-04050602	61.7	59.1	58.9		347.3	07060705.D	Jul 2007 10:2
LCS % Recovery	107%	103%	102%		101%		
	Pass	Pass	Pass		Pass		

Lab Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
1887-007 v	1.1	5.1	Vent			6.5		
1887-007dup v	1.1	4.8	Vent			6.1	07050708.D	Jul 2007 11:0
Duplicate % RPD	7.7%	5.4%				6.1%		
Duplicate Criteria % RPD	18%	21%	26%			14%		
	Pass	Pass				Pass		

W7968

Modified EPA Method 25C Report Summary

Job#: TRC P2701887

Analyst : WHH

Method Name : EPA 25C TCA/FID Analysis for TGNMO

Loop Dilution : Normal Loop (NL) = 1.00, Samll Loop (SL) = 7.33

Instrument : GC01/TCD1

Date Analyzed : ul 2007 15:45

Printed : 7/9/07

Sample Results (ppm)

v = Vent CO₂

VV = Vent CO₂ / CH₄

Pressure unit : psig

Final Sample Results With DF Corrected (ppm as Methane)

Modified EPA Method 25C Daily QC Summary

Job# : TRC P2701887
Analyst : WHH
Method Name : EPA 25C TCA/FID Analysis for TGNMO

Instrument : GC01/TCD1
Date Analyzed : 7/7/07
Printed : 7/9/07

RT Summaries and QC Check (minutes)

VV = Vent CO₂ / CH₄

v = Vent CO₂

N/A : Not Applicable

Continuing Calibration Standards Summary (ppm)

LCS / LCS Dup Summary (ppm, without DF correction)

Lab Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
1887-022 v	0.6	0.9	Vent			1.6	07070706.D	Jul 2007 15:23
1887-022dup.v	0.6	0.9	Vent			1.6	07070707.D	Jul 2007 15:30
Duplicate % RPD	10.5%	3.4%				4.3%		
Duplicate Criteria % RPD	18%	21%	25%			14%		
	Pass	Pass				Pass		

Injection Log

Directory: j:\gc01\data\25c\2006_10\20

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	10200601.d	1.	STD 100/80ppm S14-10110605		20 Oct 106 12::4
1	1	10200602.d	1.	MB		20 Oct 106 12::5
1	1	10200603.d	1.	Lab Air		20 Oct 106 12::0
1	1	10200604.d	1.	LCS 345ppm		20 Oct 106 12::2
1	1	10200605.d	1.	test/low		20 Oct 106 13::5
1	1	10200606.d	1.	STD 25C low level small loop	S14-10110606	20 Oct 106 13::0
1	1	10200607.d	1.	STD 25C low level normal loop	S14-10110606	20 Oct 106 13::3
1	1	10200608.d	1.	STD 25C mid level small loop	S14-10110605	20 Oct 106 12::0
1	1	10200609.d	1.	STD 25C mid level normal loop	S14-10110605	20 Oct 106 12::2
0	1	10200610.d	1.	STD 25C high level small loop	S14-10200601	20 Oct 106 12::1
1	1	10200611.d	1.	STD 25C high level normal loop	S14-10200601	20 Oct 106 12::3
2	1	10200612.d	1.	ICV S14-03270602		20 Oct 106 12::5
3	1	10200613.d	1.	ICV S14-03270602	aprox 100/80ppm	20 Oct 106 12::2
4	1	10200614.d	1.	MB electrical noise		20 Oct 106 12::3
5	1	10200615.d	1.	MB good		20 Oct 106 12::0
5	1	10200616.d	1.	MB		20 Oct 106 12::2

10/20/2006

ID: HP 5890 SERIES II / GC1

DATE: 7/15/2007

INJECTOR: PACKED COLUMNVALVE SYSTEM:

3C REGULAR LOOP (100 μ L) OTHER SMALL LOOP (7.33:1)

25C REGULAR LOOP (500 μ L)

TEMPERATURE PROGRAMMING:

INITIAL AT 50 °C FOR 2 min
RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

DETECTOR INFO: HP TCD #1: 260 °C
HP FID #1: 280 °C

DATA PATHWAY: J:\GC1\DATA\25C\2007-07\05
METHOD FILE NAME: J:\GC1\METHODS\2006.M

DATA FILE HEADER INFO	CLIENT	ANALYST	DATA FILE HEADER INFO	CLIENT	ANALYST
01	STO 100/80 ppm S14-12280601	WT	21	1847-006	✓
02	MR		22	Blank	
03	Lab A.R.		23	STO 100/80 ppm S14-12280601	✓
04	LCS 345 ppm S14-d4050602		24		
05	wait		25		
06	wait		26		
07	1975001 ✓		27		
08	1001 Dup ✓		28		
09	X		29		
10	1975-002		30		
11	T 002 dup		31		
12	STO 100/80 ppm S14-12280601		32		
13	wait		33		
14	1887-001 ✓		34		
15	001 dup ✓		35		
16	001 dup ✓		36		
17	002		37		
18	003		38		
19	004		39		
	005		40		

COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

DATE: 7/16/2007

DATA SYSTEM: HP Chemstation

ANALYSIS: 25C 25C(MOD.) 3C 3C(MOD.)

INJECTOR: PACKED COLUMN

<u>VALVE SYSTEM:</u>	REGULAR LOOP (100 μ L)	OTHER	<u>8' X 1/8" CARBOSPHERE</u>
3C	REGULAR LOOP (500 μ L)	SMALL LOOP (7.33:1)	<u>4' X 1/8" TENAX / HAYSEP Q / CARBOSPHERE</u>
25C			

TEMPERATURE PROGRAMMING:

INITIAL AT 50 °C FOR 2 min

RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

DETECTOR INFO: HP TCD #1: 260 °C SENSITIVITY: INITIAL HIGH,
HP FID #1: 280 °C POLARITY: INITIAL NEGATIVE, 1.5 min LOW
1.5 min POSITIVE

DATA PATHWAY: J:\GC1\DATA\ 25C\2007-07\06 METHOD FILE NAME: J:\GC1\METHODS\ M102006

<u>DATA FILE HEADER INFO</u>	<u>CLIENT</u>	<u>ANALYST</u>	<u>DATA FILE HEADER INFO</u>	<u>CLIENT</u>	<u>ANALYST</u>
<u>STO 100/80 ppm 514-12280601</u>		<u>21</u>	<u>1857-0444</u>	<u>015</u>	<u>✓</u>
<u>✓</u>		<u>22</u>		<u>016</u>	
<u>✓</u>		<u>23</u>		<u>017</u>	
<u>✓</u>		<u>24</u>		<u>018</u>	
<u>✓</u>		<u>25</u>		<u>019</u>	
<u>✓</u>		<u>26</u>		<u>020</u>	
<u>✓</u>		<u>27</u>		<u>STO 100/80 ppm 514-12280601</u>	<u>✓</u>
<u>✓</u>		<u>28</u>			
<u>✓</u>		<u>29</u>			
<u>✓</u>		<u>30</u>			
<u>✓</u>		<u>31</u>			
<u>✓</u>		<u>32</u>			
<u>✓</u>		<u>33</u>			
<u>✓</u>		<u>34</u>			
<u>✓</u>		<u>35</u>			
<u>✓</u>		<u>36</u>			
<u>✓</u>		<u>37</u>			
<u>✓</u>		<u>38</u>			
<u>✓</u>		<u>39</u>			
<u>✓</u>		<u>40</u>			

✓

COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

DATE: 7/7/2007

DATA SYSTEM: HP Chemstation

ANALYSIS: 25C ✓25C(MOD.) 3C 3C(MOD.)

INJECTOR: PACKED COLUMN

VALVE SYSTEM:
 REGULAR LOOP (100 μ L) OTHER _____
 REGULAR LOOP (500 μ L) SMALL LOOP (7.33:1)
RAMP RATE 50 °C FOR 30 °C/min TO 200 °C HOLD FOR 1 min

TEMPERATURE PROGRAMMING:

INITIAL AT 50 °C FOR 30 °C/min TO 260 °C SENSITIVITY: INITIAL HIGH,
RAMP RATE 50 °C/min TO 280 °C POLARITY: INITIAL NEGATIVE, 1.5 min LOW
DETECTOR INFO: HP TCD #1: HP FID #1:

DATA PATHWAY: J:\GC1\DATA\ 25C\2007-07\07\07 METHOD FILE NAME: J:\GC1\METHODS\ 2007-07-07.M

	<u>DATA FILE HEADER INFO</u>	<u>CLIENT</u>	<u>ANALYST</u>	<u>DATA FILE HEADER INFO</u>	<u>CLIENT</u>	<u>ANALYST</u>
01	STD 100% C ₆ H ₆	514-1225-0601	✓			21
02	M3					22
03	Lub Air					23
04	100% C ₆ H ₆	514-0400-0602	✓			24
05	1887-021V					25
06	✓	022V	✓			26
07	✓	022✓020P	✓			27
08	✓	023✓	✓			28
09	✓	024V	✓			29
10	✓					30
11	1951-001✓					31
12	✓	002✓	✓			32
13	1964-001✓					33
14	✓	002✓	✓			34
15	STD 100% C ₆ H ₆	514-1225-0601	✓			35
16						36
17						37
18						38
19						39
						40

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-39-S-6-23-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-001

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00635

Pi 1 = -3.4 Pf 1 = 3.5
D.F. = 1.61

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7	Oxygen +			
7440-37-1	Argon *	10.4	0.16	
7727-37-9	Nitrogen	80.9	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	8.66	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: W Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-39-S-6-23-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-001DUP

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00635

Pi 1 = -3.4 Pf 1 = 3.5

D.F. = 1.61

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7	Oxygen +			
7440-37-1	Argon *	10.3	0.16	
7727-37-9	Nitrogen	81.1	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	8.66	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: MJ Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-39-D-6-23-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-002

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00916

Date Collected: 6/23/07
Date Received: 6/26/07
Date Analyzed: 7/5/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.1 Pf 1 = 3.5
Pi 2 = -2.0 Pf 2 = 0.6 D.F. = 1.89

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.19	
7782-44-7	Oxygen +			
7440-37-1	Argon *	4.92	0.19	
7727-37-9	Nitrogen	85.7	0.19	
630-08-0	Carbon Monoxide	ND	0.19	
124-38-9	Carbon Dioxide	9.35	0.19	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-38-S-6-23-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-003

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00657

Pi 1 = -4.1 Pf 1 = 3.6

D.F. = 1.73

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	14.7	0.17	
7727-37-9	Nitrogen	79.8	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	5.51	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: rw Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-38-D-6-23-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-004

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00917

Pi 1 = -3.0 Pf 1 = 3.5
Pi 2 = -1.9 Pf 2 = 0.4 D.F. = 1.84

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.18	
7782-44-7	Oxygen +			
7440-37-1	Argon *	10.1	0.18	
7727-37-9	Nitrogen	83.6	0.18	
630-08-0	Carbon Monoxide	ND	0.18	
124-38-9	Carbon Dioxide	6.21	0.18	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: w Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-37-S-6-23-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-005

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00873

Pi 1 = -4.0 Pf 1 = 3.6

D.F. = 1.71

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	15.8	0.17	
7727-37-9	Nitrogen	80.0	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	4.17	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: W Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-37-D-6-23-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-006

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00576

Date Collected: 6/23/07
Date Received: 6/26/07
Date Analyzed: 7/5/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.8 Pf 1 = 3.9

D.F. = 1.71

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	5.69	0.17	
7727-37-9	Nitrogen	83.3	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	11.0	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-56-S-6-23-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-007

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00915

Pi 1 = -3.5 Pf 1 = 3.4

D.F. = 1.62

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7	Oxygen +			
7440-37-1	Argon *	4.95	0.16	
7727-37-9	Nitrogen	81.1	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	14.0	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-56-S-6-23-07-SC**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-008

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00904

Pi 1 = -3.8 Pf 1 = 3.6

D.F. = 1.68

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	5.74	0.17	
7727-37-9	Nitrogen	80.9	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	13.4	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-56-I-6-23-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-009

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00954

Pi 1 = -3.7 Pf 1 = 3.5

D.F. = 1.65

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	3.26	0.17	
7727-37-9	Nitrogen	80.6	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	16.1	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-56-I-6-23-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-009DUP

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00954

Pi 1 = -3.7 Pf 1 = 3.5

D.F. = 1.65

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	3.21	0.17	
7727-37-9	Nitrogen	80.7	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	16.1	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: HC Date: 7/13/07

66

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-56-D-6-23-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-010

Test Code: EPA Method 3C Modified Date Collected: 6/23/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00850

Pi 1 = -2.9 Pf 1 = 3.5

D.F. = 1.54

CAS #	Compound	Result	MRL	Data Qualifier
		(%, v/v)	(%, v/v)	
1333-74-0	Hydrogen	ND	0.15	
7782-44-7	Oxygen +			
7440-37-1	Argon *	3.60	0.15	
7727-37-9	Nitrogen	80.5	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	15.9	0.15	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-42-S-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-011

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00794

Pi 1 = -3.0 Pf 1 = 3.7
Pi 2 = -1.9 Pf 2 = 0.5 D.F. = 1.86

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.19	
7782-44-7	Oxygen +			
7440-37-1	Argon *	16.0	0.19	
7727-37-9	Nitrogen	76.6	0.19	
630-08-0	Carbon Monoxide	ND	0.19	
124-38-9	Carbon Dioxide	7.35	0.19	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: WJ Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-42-D-6-24-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-012

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00653

Pi 1 = -3.2 Pf 1 = 3.6

D.F. = 1.59

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7	Oxygen +			
7440-37-1	Argon *	9.95	0.16	
7727-37-9	Nitrogen	77.4	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	12.6	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07**69**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-55-S-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-013

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00086

Pi 1 = -2.7 Pf 1 = 4.1
D.F. = 1.57

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7	Oxygen +			
7440-37-1	Argon *	1.31	0.16	
7727-37-9	Nitrogen	83.3	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
74-82-8	Methane	4.30	0.16	
124-38-9	Carbon Dioxide	11.1	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: M Date: 7/13/07**70**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-55-I-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P2701887-014

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
 Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
 Analyst: Wade Henton Date Analyzed: 7/6/07
 Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
 Test Notes:
 Container ID: SC00527

Pi 1 = -3.1 Pf 1 = 3.5

D.F. = 1.57

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7	Oxygen +			
7440-37-1	Argon *	3.82	0.16	
7727-37-9	Nitrogen	81.1	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	15.1	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-55-D-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-015

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00626

Pi 1 = -2.6 Pf 1 = 3.5

D.F. = 1.50

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7	Oxygen +			
7440-37-1	Argon *	12.7	0.15	
7727-37-9	Nitrogen	79.6	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	7.68	0.15	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-61-S-6-24-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-016

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00805

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/6/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.4 Pf 1 = 4.1
D.F. = 1.66

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	3.94	0.17	
7727-37-9	Nitrogen	87.7	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	8.33	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-61-I-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-017

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00413

Pi 1 = -3.8 Pf 1 = 3.5
D.F. = 1.67

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	3.65	0.17	
7727-37-9	Nitrogen	80.7	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	15.7	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-61-D-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P2701887-018

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
 Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
 Analyst: Wade Henton Date Analyzed: 7/6/07
 Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
 Test Notes:
 Container ID: SC00899

Pi 1 = -2.6 Pf 1 = 3.7

D.F. = 1.52

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7	Oxygen +			
7440-37-1	Argon *	4.62	0.15	
7727-37-9	Nitrogen	80.4	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	15.0	0.15	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-31-S-6-24-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-019

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00372

Pi 1 = -2.9 Pf 1 = 3.5

D.F. = 1.54

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.15	
7782-44-7	Oxygen +			
7440-37-1	Argon *	16.9	0.15	
7727-37-9	Nitrogen	78.3	0.15	
630-08-0	Carbon Monoxide	ND	0.15	
124-38-9	Carbon Dioxide	4.88	0.15	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-46-S-6-24-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-020

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00605

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/6/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.7 Pf 1 = 3.5
D.F. = 1.65

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	14.7	0.17	
7727-37-9	Nitrogen	84.1	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
74-82-8	Methane	0.365	0.17	
124-38-9	Carbon Dioxide	0.870	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: W Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-46-I-6-24-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-021

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00891

Pi 1 = -4.1 Pf 1 = 3.7

D.F. = 1.74

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	20.1	0.17	
7727-37-9	Nitrogen	78.1	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	1.86	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: me Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-46-D-6-24-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-022

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/7/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00688

Pi 1 = -3.9 Pf 1 = 3.5

D.F. = 1.69

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	19.1	0.17	
7727-37-9	Nitrogen	79.4	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	1.47	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-46-D-6-24-07-SC
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P2701887-023

Test Code:	EPA Method 3C Modified	Date Collected: 6/24/07
Instrument ID:	HP5890II/GC1/TCD	Date Received: 6/26/07
Analyst:	Wade Henton	Date Analyzed: 7/7/07
Sampling Media:	Summa Canister	Volume(s) Analyzed: 0.10 ml
Test Notes:		
Container ID:	SC00871	

Pi 1 = -4.7 Pf 1 = 3.5

D.F. = 1.82

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.18	
7782-44-7	Oxygen +			
7440-37-1	Argon *	19.2	0.18	
7727-37-9	Nitrogen	79.4	0.18	
630-08-0	Carbon Monoxide	ND	0.18	
124-38-9	Carbon Dioxide	1.48	0.18	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: W Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-46-D-6-24-07-SC
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-023DUP

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00871

Date Collected: 6/24/07
Date Received: 6/26/07
Date Analyzed: 7/7/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -4.7 Pf 1 = 3.5

D.F. = 1.82

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.18	
7782-44-7	Oxygen +			
7440-37-1	Argon *	19.1	0.18	
7727-37-9	Nitrogen	79.4	0.18	
630-08-0	Carbon Monoxide	ND	0.18	
124-38-9	Carbon Dioxide	1.45	0.18	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-31-D-6-24-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-024

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/7/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00232

Pi 1 = -3.1 Pf 1 = 3.4

D.F. = 1.56

CAS #	Compound	Result	MRL	Data Qualifier
		(%, v/v)	(%, v/v)	
1333-74-0	Hydrogen	ND	0.16	
7782-44-7	Oxygen +			
7440-37-1	Argon *	11.2	0.16	
7727-37-9	Nitrogen	79.4	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	9.35	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: M Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-29-S-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P2701887-025

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00180

Pi 1 = -3.8 Pf 1 = 3.5
D.F. = 1.67

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	19.4	0.17	
7727-37-9	Nitrogen	78.9	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	1.63	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **WDI-VW-29-I-6-24-07**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P2701887-026

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:
Container ID: SC00150

Pi 1 = -0.3 Pf 1 = 3.6

D.F. = 1.27

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.13	
7782-44-7	Oxygen +			
7440-37-1	Argon *	9.22	0.13	
7727-37-9	Nitrogen	83.5	0.13	
630-08-0	Carbon Monoxide	ND	0.13	
124-38-9	Carbon Dioxide	7.25	0.13	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: WDI-VW-29-D-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P2701887-027

Test Code: EPA Method 3C Modified Date Collected: 6/24/07
 Instrument ID: HP5890II/GC1/TCD Date Received: 6/26/07
 Analyst: Wade Henton Date Analyzed: 7/6/07
 Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
 Test Notes:
 Container ID: SC00864

Pi 1 = -3.7 Pf 1 = 3.6

D.F. = 1.66

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7	Oxygen +			
7440-37-1	Argon *	7.47	0.17	
7727-37-9	Nitrogen	82.9	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	9.66	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
CAS Sample ID: P070705-MB

Test Code: EPA Method 3C Modified Date Collected: NA
Instrument ID: HP5890II/GC1/TCD Date Received: NA
Analyst: Wade Henton Date Analyzed: 7/5/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:

D.F. = 1.00

CAS #	Compound	Result	MRL	Data Qualifier
		(%, v/v)	(%, v/v)	
1333-74-0	Hydrogen	ND	0.10	
7782-44-7	Oxygen +			
7440-37-1	Argon *	ND	0.10	
7727-37-9	Nitrogen	ND	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: MU Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P070706-MB

Test Code: EPA Method 3C Modified Date Collected: NA
Instrument ID: HP5890II/GC1/TCD Date Received: NA
Analyst: Wade Henton Date Analyzed: 7/6/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:

D.F. = 1.00

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7	Oxygen +			
7440-37-1	Argon *	ND	0.10	
7727-37-9	Nitrogen	ND	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
74-82-8	Methane	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: W Date: 7/12/07**87**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client : **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2701887
CAS Sample ID: P070707-MB

Test Code: EPA Method 3C Modified Date Collected: NA
Instrument ID: HP5890II/GC1/TCD Date Received: NA
Analyst: Wade Henton Date Analyzed: 7/7/07
Sampling Media: Summa Canister Volume(s) Analyzed: 0.10 ml
Test Notes:

D.F. = 1.00

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7	Oxygen +			
7440-37-1	Argon *	ND	0.10	
7727-37-9	Nitrogen	ND	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = Coeluting Compounds

Verified By: W Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: Lab Control Sample

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P070705-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 3C Modified

Date Collected: NA

Instrument ID: HP5890II/GC1/TCD

Date Received: NA

Analyst: Wade Henton

Date Analyzed: 7/05/07

Sampling Media: Summa Canister

Volume(s) Analyzed: NA

Test Notes:

Compound	Spike Amount LCS ppmV	Result LCS ppmV	% Recovery LCS	Acceptance Limits	Data Qualifier
Hydrogen	40,100	40,500	101	90-110	
Oxygen + Argon *	50,000	52,200	104	90-110	
Nitrogen	50,500	51,300	102	90-110	
Carbon Monoxide	50,100	53,000	106	90-110	
Carbon Dioxide	50,400	53,800	107	90-110	

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: Lab Control Sample

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P070706-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 3C Modified

Date Collected: NA

Instrument ID: HP5890II/GC1/TCD

Date Received: NA

Analyst: Wade Henton

Date Analyzed: 7/06/07

Sampling Media: Summa Canister

Volume(s) Analyzed: NA

Test Notes:

Compound	Spike Amount LCS ppmV	Result LCS ppmV	% Recovery LCS	Acceptance Limits	Data Qualifier
Hydrogen	40,100	39,300	98	90-110	
Oxygen + Argon *	50,000	52,000	104	90-110	
Nitrogen	50,500	52,800	105	90-110	
Carbon Monoxide	50,100	51,700	103	90-110	
Methane	40,100	41,700	104	90-110	
Carbon Dioxide	50,400	52,400	104	90-110	

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Sample ID: Lab Control Sample

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P070707-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 3C Modified

Date Collected: NA

Instrument ID: HP5890II/GC1/TCD

Date Received: NA

Analyst: Wade Henton

Date Analyzed: 7/07/07

Sampling Media: Summa Canister

Volume(s) Analyzed: NA

Test Notes:

Compound	Spike Amount LCS ppmV	Result LCS ppmV	% Recovery LCS	Acceptance Limits	Data Qualifier
Hydrogen	40,100	38,100	95	90-110	
Oxygen + Argon *	50,000	51,600	103	90-110	
Nitrogen	50,500	52,300	104	90-110	
Carbon Monoxide	50,100	50,500	101	90-110	
Carbon Dioxide	50,400	50,900	101	90-110	

Response Factor Report GC 01

Method : J:\GC01\METHODS\3C082106.M (Chemstation Integrator)
 Title : EPA 3C GC/TCD Analysis for Fixed Gases
 Last Update : Mon Aug 21 16:53:50 2006

Calibration Files

1	=08210605.D	2	=08210606.D	3	=08210607.D
4	=08210608.D	5	=08210609.D		

	Compound	1	2	3	4	5	Avg	%RSD	
1)	Hydrogen	0.969	0.809	0.886	1.007	0.994	0.933	E1	8.97
2)	Oxygen	1.329	1.193	1.293	1.265	1.167	1.249	E1	5.43
3)	Nitrogen	1.476	1.364	1.484	1.480	1.406	1.442	E1	3.74
4)	Carbon Monoxide	1.384	1.312	1.423	1.406	1.323	1.370	E1	3.63
5)	Methane	1.027	0.996	1.061	1.039	0.973	1.019	E1	3.40
6)	Carbon Dioxide	1.559	1.511	1.614	1.591	1.498	1.555	E1	3.20

W# 8/22/06

Compound #1: Hydrogen (Page 3)

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[Next](#) [Plot](#) [Page 1](#) [Page 2](#) [OK](#) [Cancel](#) [Help](#)

Compound #2: Oxygen (Page 3)

Lvl ID	Conc	Response
1	43.017	572
2	841.500	10038
3	4950.000	63367
4	51626.500	655569
5	89100.000	1033947

Lvl ID	Conc	Response

Integration
Parameter File

Sum?

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0.000

Prev

Next

Plot

Page 1

Page 2

OK

Cancel

Help

Compound #3: Nitrogen (Page 3)

LvID	Conc	Response
1	42.585	628
2	844.050	11517
3	4965.000	73699
4	51983.550	769183
5	89370.000	1256516

LvID	Conc	Response

Integration Parameter File: Sum?

Tgt: 0.00
 0.000

Prey Next Plot Page 1 Page 2 OK Cancel Help

Compound 54: Carbon Monoxide (Stage 3)

Integration Parameter File

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Prev

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10

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Page 3

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Compound = 5-methane (Page 3)

Integration Parameter File

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Page

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Plot

Page 3

Page 3

OK

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Help

Compound #6: Carbon Dioxide (Page 3)

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LvID	Cone	Response
1	42.585	664
2	847.450	12806
3	4985.000	80434
4	52192.950	830567
5	89730.000	1344318

LvID	Cone	Response

Integration
Parameter File

Sum?

Int

Integration Parameters

 0.00 0.000 Prev Next Plot Page 1 Page 2 OK Cancel Help

Modified EPA Method 3C Report Summary

Callent & job# : TRC P2701887

Analyst : WHH

Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Loop Dilution : Normal Loop (NL) = 1.00, Small Loop (SL) = 5.88Instrument : GC01/TCD1
Date Analyzed : 7/5/07
Printed : 7/9/07

Wgjafot

Sample Results (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Back Filled	Pi1	Pf1	Pi2	Pf2
1887-001		62502.184	486774.829			52055.269		-3.4	3.5		
1887-002		24678.638	430281.923			46940.133		-3.1	3.5	-2.0	0.6
1887-003		83169.302	460793.624			31139.817		-4.1	3.6		
1887-004		50382.056	417574.412		427.311	31026.762		-3.0	3.5	-1.9	0.4
1887-006		86431.864	452668.916			23582.226		-4.0	3.6		
1887-007		31467.842	460347.503			60711.477		-3.8	3.9		
1887-008		28774.077	471237.643			81089.560		-3.5	3.4		
		32722.463	460859.387			76180.415		-3.8	3.6		
1887-001		62502.184	486774.829			52055.269		-3.4	3.5		
1887-001dup		61396.164	484547.233			51798.009		-3.4	3.5		

Sample Results With DF Corrected (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	% Total	Loop Dilution	DF
1887-001		100667.234	784009.017			83841.230	96.9%	1.00	1.61
1887-002		46646.847	813306.437			88724.881	94.9%	1.00	1.89
1887-003		143584.738	778266.017			53760.260	97.6%	1.00	1.73
1887-004		92454.572	766278.044		784.145	56936.263	91.6%	1.00	1.84
1887-005		152053.545	774224.968			40332.218	96.8%	1.00	1.71
1887-006		53697.418	785547.115			103559.401	94.3%	1.00	1.71
1887-007		46500.964	761553.691			131046.521	93.9%	1.00	1.62
1887-008		54937.696	773736.402			127899.229	95.7%	1.00	1.68
1887-001		100667.234	784009.017			83841.230	96.9%	1.00	1.61
1887-001dup		98885.857	780421.207			83426.882	96.3%	1.00	1.61

Final Sample Results Normalized (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	% Total	File ID	Time
MDL	160	360	600	350	140	140			
MRL	1000	1000	1000	1000	1000	1000			
MB	ND	ND	ND	ND	ND	ND	07050703.D	12:45	
1887-001	ND	103929.1	809413.0	ND	ND	96557.9	99.99	050711.D	16:35
1887-002	ND	49165.4	857219.2	ND	ND	93515.4	99.99	050713.D	17:21
1887-003	ND	147160.8	797840.0	ND	ND	55099.2	99.99	050714.D	17:40
1887-004	ND	100873.0	836050.9	ND	ND	62120.6	99.99	050715.D	17:55
1887-005	ND	158074.0	800143.6	ND	ND	41682.4	99.99	050716.D	18:09
1887-006	ND	56946.9	833084.4	ND	ND	109868.7	99.99	050717.D	18:27
1887-007	ND	49511.5	810857.8	ND	ND	139530.7	99.99	050718.D	18:40
1887-008	ND	57426.0	808781.7	ND	ND	133692.2	99.99	050719.D	18:54
1887-001	ND	103929.1	809413.0	ND	ND	86557.9	99.99	050711.D	16:35
1887-001dup	ND	102703.3	810549.1	ND	ND	86647.6	99.99	050712.D	17:07

99

Modified EPA Method 3C Daily QC Summary

Callout & job# : TRC P2701887

Analyst: WHH

Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Instrument : GC01/TCD1

Date Analyzed : 7/5/07

Printed : 7/9/07

RT Summaries and QC Check (minutes)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ICAL Mean RT	0.754	2.291	2.472	3.165	5.134	6.786		
RT Windows (+/- min.)	0.125	0.137	0.125	0.216	0.142	0.216		
STD 50000ppm S14-12150601 +/- .33min of ICAL Mean RT	0.712	2.245	2.426	3.117	5.114	6.780	07050702.D	12:09
MB								
LCS (lab air)		2.205 Pass	2.349 Pass			6.799 Pass	07050703.D	12:45
LCS 50000ppm S14-12150602	0.713 Pass	2.248 Pass	2.429 Pass	3.120 Pass	5.117 Pass	6.782 Pass	07050704.D	14:33
STD 50000ppm S14-12150601	0.709 Pass	2.253 Pass	2.435 Pass	3.128 Pass	5.125 Pass	6.788 Pass	07050709.D	15:46
1887-001		2.246 Pass	2.390 Pass			6.792 Pass	07050711.D	16:35
1887-001dup		2.246 Pass	2.390 Pass			6.792 Pass	07050712.D	17:07
1887-002		2.252 Pass	2.395 Pass			6.791 Pass	07050713.D	17:21
1887-003		2.246 Pass	2.396 Pass			6.794 Pass	07050714.D	17:40
1887-004		2.253 Pass	2.402 Pass		5.142 Pass	6.794 Pass	07050715.D	17:55
1887-005		2.242 Pass	2.392 Pass			6.794 Pass	07050716.D	18:09
1887-006		2.252 Pass	2.394 Pass			6.790 Pass	07050717.D	18:27
1887-007		2.246 Pass	2.386 Pass			6.783 Pass	07050718.D	18:40
1887-008		2.248 Pass	2.380 Pass			6.784 Pass	07050719.D	18:54
STD 50000ppm S14-12150601	0.713 Pass	2.255 Pass	2.436 Pass	3.128 Pass	5.125 Pass	6.790 Pass	07050720.D	19:08

Continuing Calibration Standards Summary (ppm)

Lab Dup Summary (ppm, without DF correction and normalization)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
Duplicate Criteria % RPD	37%	24%	19%	7%	10%	15%		
1887-001		62502.2	486774.8			52055.3	07050711.D	16:35
1887-001 dup		61398.2	484847.2			51798.0	07050712.D	17:07
Duplicate % RPD		1.8% Pass	0.5% Pass			0.9% Pass		

LCS / LCS Dup Summary (ppm, without DF correction)

Lab Air QC Summary

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Lab Air Criteria Total (90%-110%)
LCS (lab air)		210411.2	750450.8			466.6	96.1% Pass
Lab Air Normalized (%)		21.89%	78.06%			0.05%	100.0%

Modified EPA Method 3C Report Summary

Callent & job# : TRC P2701887

Analyst : WHH

Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Loop Dilution : Normal Loop (NL) = 1.00, Small Loop (SL) = 5.88

Instrument : GC01/TCD1

7/6/07

Date Analyzed : 7/9/07

Printed : 7/9/07

Sample Results (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Back Filled	P1	P1	P2	Pf2
1887-009		18131.398	448236.434			89613.660		-3.7	3.5		
1887-010		22464.383	502047.884			98820.046		-2.9	3.5		
1887-011		75401.419	360428.321			94556.712		-3.0	3.7	-1.9	0.5
1887-012		59309.815	461672.532			75316.412		-3.2	3.6		
1887-013		9034.834	572394.376		29579.910	76130.700		-2.7	4.1		
1887-014		25707.280	545944.620			101341.563		-3.1	3.5		
1887-015		80364.166	504895.342		470.712	48724.078		-2.6	3.5		
1887-016		23682.838	527006.661			50066.129		-3.4	4.1		
1887-017		21553.425	476032.288			92497.670		-3.8	3.5		
1887-018		28895.599	502664.255			93893.156		-2.6	3.7		
1887-019		99488.371	462022.863			28802.586		-2.9	3.5		
1887-020		92905.479	532421.001		2311.453	5506.040		-3.7	3.5		
1887-021		111184.708	432446.112			10330.707		-4.1	3.7		
1887-025		103249.651	418912.486			8633.069		-3.8	3.5		
1887-026		71951.000	651657.530			56563.910		-0.3	3.6		
1887-027		50057.238	565354.786			64763.534		-3.7	3.6		
1887-009		18131.398	448236.434			89613.660		-3.7	3.5		
1887-009dup		17636.331	448440.123			89667.293		-3.7	3.5		

Sample Results With DF Corrected (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	% Total	Loop Dilution	DF
1887-009	29999.222	741627.554				148269.874	92.0%	1.00	1.65
1887-010	34648.455	774345.041				152417.359	96.1%	1.00	1.54
1887-011	140813.761	673107.591				64535.398	87.8%	1.00	1.87
1887-012	94379.648	734661.507				119851.334	94.9%	1.00	1.59
1887-013	14154.573	896751.189		46341.859		119271.430	107.7%	1.00	1.57
1887-014	40333.836	856668.283				159001.418	105.6%	1.00	1.57
1887-015	20923.486	759429.357			708.013	73287.456	95.4%	1.00	1.50
1887-016	39401.536	878789.843				83279.223	99.9%	1.00	1.66
1887-017	35088.288	794842.903				154395.392	98.5%	1.00	1.67
1887-018	43940.415	764382.008				142779.675	95.1%	1.00	1.52
1887-019	153448.165	712611.534				44424.328	91.0%	1.00	1.54
1887-020	153716.338	880914.747			3824.404	9109.993	104.8%	1.00	1.65
1887-021	192999.870	760661.176				17932.548	96.2%	1.00	1.74
1887-025	172398.500	699468.555				14414.849	88.6%	1.00	1.67
1887-026	91437.729	828148.119				71883.302	99.1%	1.00	1.27
1887-027		83277.041	923908.417			107742.970	111.5%	1.00	1.66
1887-009	29999.222	741627.554				148269.874	92.0%	1.00	1.65
1887-009dup	29514.329	741964.567				148391.703	92.0%	1.00	1.65

Final Sample Results Normalized (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	% Total	File ID	Time
MDL	150	360	600	350	140	140			
MRL	1000	1000	1000	1000	1000	1000			
MB	ND	ND	ND	ND	ND	ND	07060702.D	09:17	
1887-009	ND	32608.3	806126.9	ND	ND	161164.9	99.99	060707.D	11:08
1887-010	ND	360356.6	805345.2	ND	ND	158519.2	99.99	060709.D	11:33
1887-011	ND	160280.7	766162.1	ND	ND	73457.2	99.99	060714.D	13:16
1887-012	ND	99453.0	774153.1	ND	ND	126293.9	99.99	060715.D	13:31
1887-013	ND	13147.2	832926.7	ND	43043.6	110782.5	99.99	060717.D	14:13
1887-014	ND	38194.6	811137.2	ND	ND	150568.2	99.99	060718.D	14:31
1887-016	ND	126695.2	795877.6	ND	7441.6	76786.5	99.99	060719.D	14:46
1887-016	ND	39418.5	877168.5	ND	ND	83315.0	99.99	060720.D	15:48
1887-017	ND	36524.3	806680.9	ND	ND	156694.9	99.99	060721.D	16:01
1887-018	ND	46194.9	803599.9	ND	ND	150105.2	99.99	060722.D	16:14
1887-019	ND	188617.9	782595.0	ND	ND	48787.1	99.99	060723.D	16:30
1887-020	ND	146722.1	840832.1	ND	3650.4	8665.5	99.99	060724.D	16:54
1887-021	ND	200688.3	780564.8	ND	ND	18846.9	99.99	060725.D	17:08
1887-025	ND	194499.4	789137.9	ND	ND	16262.8	99.99	060710.D	11:48
1887-026	ND	92215.3	836190.2	ND	ND	72494.6	99.99	060711.D	12:01
1887-027	ND	74685.3	828587.7	ND	ND	96627.0	99.99	060712.D	12:13
1887-009	ND	32608.3	806126.9	ND	ND	161164.9	99.99	060707.D	11:08
1887-009dup	ND	32062.1	806516.0	ND	ND	161301.9	99.99	060708.D	11:20

WZ/2657

101

Modified EPA Method 3C Daily QC Summary

Calient & job# : TRC P2701887

Analyst : WHH

Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Instrument : GC01/TCD1

Date Analyzed : 7/6/07

Printed : 7/9/07

RT Summaries and QC Check (minutes)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ICAL Mean RT	0.754	2.291	2.472	3.165	5.134	6.786		
RT Windows (+/- min)	0.125	0.137	0.125	0.216	0.142	0.216		
STD 50000ppm S14-12150601	0.713	2.251	2.432	3.124	5.119	6.783	07060701.D	09:03
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass	Pass	Pass		
MB								
LCS (Lab Air)		2.203 Pass	2.347 Pass			6.785 Pass	07060702.D	09:17
LCS 50000ppm S14-12150602	0.712 Pass	2.248 Pass	2.429 Pass	3.120 Pass	5.116 Pass	6.779 Pass	07060704.D	09:45
1887-009		2.244 Pass	2.383 Pass			6.779 Pass	07060707.D	11:08
1887-009dup		2.236 Pass	2.375 Pass			6.774 Pass	07060708.D	11:20
1887-010		2.240 Pass	2.377 Pass			6.777 Pass	07060709.D	11:33
1887-025		2.238 Pass	2.392 Pass			6.792 Pass	07060710.D	11:48
1887-026		2.233 Pass	2.367 Pass			6.787 Pass	07060711.D	12:01
1887-027		2.226 Pass	2.363 Pass			6.781 Pass	07060712.D	12:13
1887-011		2.244 Pass	2.400 Pass			6.794 Pass	07060714.D	13:16
1887-012		2.246 Pass	2.392 Pass			6.798 Pass	07060715.D	13:31
STD 50000ppm S14-12150601	0.717 Pass	2.261 Pass	2.442 Pass	3.133 Pass	5.128 Pass	6.790 Pass	07060716.D	13:59
1887-013		2.255 Pass	2.378 Pass		5.128 Pass	6.796 Pass	07060717.D	14:13
1887-014		2.239 Pass	2.372 Pass			6.780 Pass	07060718.D	14:31
1887-015		2.243 Pass	2.388 Pass		5.127 Pass	6.791 Pass	07060719.D	14:46
1887-016		2.253 Pass	2.388 Pass			6.796 Pass	07060720.D	15:48
1887-017		2.249 Pass	2.387 Pass			6.784 Pass	07060721.D	16:01
1887-018		2.246 Pass	2.384 Pass			6.784 Pass	07060722.D	16:14
1887-019		2.245 Pass	2.396 Pass			6.797 Pass	07060723.D	16:30
1887-020		2.243 Pass	2.398 Pass		5.137 Pass	6.801 Pass	07060724.D	16:54
1887-021		2.245 Pass	2.399 Pass			6.799 Pass	07060725.D	17:08
STD 50000ppm S14-12150601	0.712 Pass	2.269 Pass	2.441 Pass	3.133 Pass	5.131 Pass	6.794 Pass	07060726.D	17:33

Continuing Calibration Standards Summary (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ACTUAL	40100.0	49970.0	50540.0	50050.0	40050.0	50360.0		
CCV Criteria (+/- %D)	15.0%	10.0%	10.0%	10.0%	10.0%	10.0%		
STD 50000ppm S14-12150601	38887.0 Pass	52519.238 Pass	53396.883 Pass	52380.694 Pass	42468.931 Pass	53230.935 Pass	07060701.D	09:03
STD 50000ppm S14-12150601	38879.960 Pass	51804.567 Pass	50863.660 Pass	52207.065 Pass	42162.216 Pass	53030.013 Pass	07060716.D	13:59

Lab Dup Summary (ppm, without DF correction and normalization)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
Duplicate Criteria % RPD	37%	24%	19%	7%	10%	15%		
1887-009		18131.4	448236.4			89613.7	07060707.D	11:08
1887-009dup		17838.3	448440.1			89587.3	07060709.D	11:20
Duplicate % RPD		1.6% Pass	0.0% Pass			0.1% Pass		

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
LCS Actual Conc. (ppm)	40100.0	49970.0	50540.0	50050.0	40050.0	50360.0		
LCS Criteria (% Range)	85% - 115%	90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%		
LCS 50000ppm S14-12150602	39313.7	52031.2	52833.0	51713.0	41662.6	52388.2	07060704.D	6 Jul 2007 9:45
LCS % Recovery	98% Pass	104% Pass	105% Pass	103% Pass	104% Pass	104% Pass		

Lab Air QC Summary

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Lab Air Criteria Total (90%-110%)
LCS (Lab Air)		210988.7	748981.8			599.9	96.1% Pass
Lab Air Normalized (%)		21.96%	77.98%			0.06%	100.0%

Modified EPA Method 3C Report Summary

Calient & job# : TRC P2701887

Analyst : WHH

Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Loop Dilution : Normal Loop (NL) =1.00, Small Loop (SL) = 5.88

Instrument : GC01/TCD1

Date Analyzed : 7/7/07

Printed : 7/9/07

Sample Results (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Back Filled	Pi1	Pf1	Pi2	Pf2
1887-022		101655.990	422814.657			7824.698		-3.9	3.5		
1887-023		106519.903	441401.206			8252.034		-4.7	3.5		
1887-024		64947.516	459332.477			54070.030		-3.1	3.4		
1887-023		106519.903	441401.206			8252.034		-4.7	3.5		
1887-023dup		106095.160	440937.677			8030.131		-4.7	3.5		

Sample Results With DF Corrected (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	% Total	Loop Dilution	DF
1887-022		171309.168	712520.996			13186.065	89.7%	1.00	1.69
1887-023		193866.223	803350.195			15018.702	101.2%	1.00	1.82
1887-024		101340.521	716717.056			84367.892	90.2%	1.00	1.56
1887-023		193866.223	803350.195			15018.702	101.2%	1.00	1.82
1887-023dup		193093.191	802506.672			14614.838	101.0%	1.00	1.82

Final Sample Results Normalized (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	% Total	File ID	Time
MDL	150	360	600	350	140	140			
MRL	1000	1000	1000	1000	1000	1000			
MB	ND	ND	ND	ND	ND	ND	07070703.D	14:38	
1887-022	ND	190967.6	794244.0	ND	ND	14698.4	99.99	070709.D	18:58
1887-023	ND	191503.8	793560.6	ND	ND	14835.7	99.99	070708.D	15:20
1887-024	ND	112286.7	764132.5	ND	ND	93460.8	99.99	070708.D	18:45
1887-023	ND	191503.8	793560.6	ND	ND	14835.7	99.99	070708.D	15:20
1887-023dup	ND	191121.7	794312.7	ND	ND	14465.6	99.99	070707.D	18:33

WZ/9607

Modified EPA Method 3C Daily QC Summary

Calient & job# : TRC P2701887

Analyst : WHH

Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Instrument : GC01/TCD1

Date Analyzed : 7/7/07

Printed : 7/9/07

RT Summaries and QC Check (minutes)

Continuing Calibration Standards Summary (ppm)

Lab Dup Summary (ppm, without DF correction and normalization)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
Duplicate Criteria % RPD	37%	24%	19%	7%	10%	15%		
1887-023		106519.9	441401.2			8252.0	07070706.D	15:20
1887-023dup		106095.2	440337.7			9030.1	07070707.D	15:33
Duplicate % RPD		0.4% Pass	0.1% Pass			2.7% Pass		

LCS / LCS Dup Summary (ppm, without DF correction)

Lab Air QC Summary

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	Lab Air Criteria Total (90%-110%)
LCS (lab air)		210338.4	740897.3			401.2	95.2%
Lab Air Normalized (%)		22.10%	77.85%			0.04%	100.0%

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	08210601.d	10.	Test		21 Aug 106 12::5
2	4	08210602.d	10.	Test		21 Aug 106 13::5
3	4	08210603.d	10.	MB		21 Aug 106 13::0
4	4	08210604.d	10.	test		21 Aug 106 12::1
5	4	08210605.d	10.	STD 1 S14-03260601 (loop 0.17)		21 Aug 106 12::3
6	4	08210606.d	10.	STD 2 S14-04120602 (loop 0.17)		21 Aug 106 12::1
7	5	08210607.d	10.	STD 3 S14-04120602 (loop 1.00)		21 Aug 106 12::3
8	5	08210608.d	10.	STD 4 S14-04120602 (loop 10.47)		21 Aug 106 12::4
9	5	08210609.d	10.	STD 5 S14-04120602 (loop 18.0)		21 Aug 106 12::5
0	5	08210610.d	10.	lab air	4 lab air	21 Aug 106 12::1
1	5	08210611.d	10.	icv		21 Aug 106 12::2
2	5	08210612.d	10.	ICV S14-07110501		21 Aug 106 12::5
3	5	08210613.d	10.	blank		21 Aug 106 12::1

COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

7 / 1 / 200

DATA SYSTEM: HP Chemstation

INJECTOR: PACKED COLUMN
VALVE SYSTEM:

3C REGULAR LOOP (100 μ L) OTHER _____
25C REGULAR LOOP (500 μ L) SMALL LOOP (7.33:1)

TEMPERATURE PROGRAMMING:

INITIAL AT 50 °C FOR 2 min
RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

DETECTOR INFO: HP TCD #1: 260 °C SENSITIVITY: INITIAL HIGH,
HP FID #1: 280 °C POLARITY: INITIAL NEGATIVE, 1.5 min POSITIVE

DATA PATHWAY: J:\GC1\DATA\ Fxjs | 2007-07/07 METHOD FILE NAME : J:\GC1\METHODS\ 3C&2106

COLUMN ID'S:

8' X 1/8" CARBOSPHERE
4' X 1/8" TENAX / HAYSEP Q / CARBOSPHERE

CARRIER GAS: He 25.1 mL/min

ANALYST

CLIENT

DATA FILE HEADER INFO

01	<u>STO</u> <u>5000 ppm</u> <u>SL4-12150601</u>	<u>Lab A.1</u>	<u>21</u>
02	<u>M3</u>	<u>22</u>	
03	<u>Lab A.1</u>	<u>23</u>	
04	<u>Lab A.1</u>	<u>24</u>	
05	<u>1975-001</u>	<u>25</u>	
06	<u>002</u>	<u>26</u>	
07	<u>002 dup</u>	<u>27</u>	
08	<u>001 dup</u>	<u>28</u>	
09	<u>Lab 5000 ppm SL4-12150602</u>	<u>29</u>	
10	<u>STO</u> <u>5000 ppm</u> <u>SL4-12150601</u>	<u>30</u>	
11	<u>1887-001</u>	<u>31</u>	
12	<u>001 Dup</u>	<u>32</u>	
13	<u>002</u>	<u>33</u>	
14	<u>003</u>	<u>34</u>	
15	<u>004</u>	<u>35</u>	
16	<u>005</u>	<u>36</u>	
17	<u>006</u>	<u>37</u>	
18	<u>007</u>	<u>38</u>	
19	<u>008</u>	<u>39</u>	
20	<u>STO</u> <u>5000 ppm</u> <u>SL4-12150601</u>	<u>40</u>	

COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

7 / 6 / 2007

DATA SYSTEM: HP Chemstation

INJECTOR: PACKED COLUMN
VALVE SYSTEM:

REGULAR LOOP (100 μ L) OTHER _____
 REGULAR LOOP (500 μ L) SMALL LOOP (7.33:1)

TEMPERATURE PROGRAMMING:

INITIAL AT 50 °C FOR 2 min
RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

DETECTOR INFO: HP TCD #1: 260 °C SENSITIVITY: INITIAL HIGH,
HP FID #1: 280 °C POLARITY: INITIAL NEGATIVE, 1.5 min LOW

DATA PATHWAY: J:\GC1\DATA\ F:\KSS\ (2007-07)\06 METHOD FILE NAME: J:\GC1\METHODS\ 3C082106.M

	<u>DATA FILE HEADER INFO</u>	<u>CLIENT</u>	<u>ANALYST</u>	<u>DATA FILE HEADER INFO</u>
01	STD 50000 ppm Si4-12150601		Wk	1887-017
02	013			018
03	Lob A.R.			019
04	CS 50000 ppm Si4-12150602			020
05	Wk			021
06	1986 - 001			STD traces from Si4-12150601
07	1887 - 009			
08	009 Dsp			
09	010			
10	025			
11	026			
12	027			
13	1987 - 001			
14	1887 - 011			
15	012			
16	STD traces from Si4-12150601			
17	1887 - 013			
18	014			
19	015			
	016			40

COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

DATE : 7 / 7 / 2007

DATA SYSTEM : HP Chemstation

ANALYSIS : 25C 25C(MOD.) 3C 3C(MOD.)

INJECTOR : PACKED COLUMN

<u>VALVE SYSTEM</u> :	REGULAR LOOP (100 μ L)	OTHER	<u>SMALL LOOP (7.33:1)</u>
3C	REGULAR LOOP (500 μ L)		
25C			

TEMPERATURE PROGRAMMING:

INITIAL AT 50 °C FOR 2 min
RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

DETECTOR INFO : HP TCD #1 : 260 °C SENSITIVITY : INITIAL HIGH, 1.5 min LOW
HP FID #1 : 280 °C POLARITY : INITIAL NEGATIVE, 1.5 min POSITIVE

DATA PATHWAY : J:\GC1\DATA\ FYI\2007-07\07 METHOD FILE NAME : J:\GC1\METHODS\ 3C082106

	<u>DATA FILE HEADER INFO</u>	<u>CLIENT</u>	<u>ANALYST</u>	<u>DATA FILE HEADER INFO</u>	<u>CLIENT</u>	<u>ANALYST</u>
01	<u>STD Sample 514-12150601</u>		<u>601</u>			21
02	<u>M3</u>					22
03	<u>m3</u>					23
04	<u>Lab Air</u>					24
05	<u>Lab Sample 514-12150602</u>					25
06	<u>1837 - 0023</u>					26
07	<u>623Dsp</u>					27
08	<u>024</u>					28
09	<u>022</u>					29
10	<u>1487 - 001</u>					30
11	<u>1955 - 001</u>					31
12	<u>4 002</u>					32
13	<u>1964 - 001</u>					33
14	<u>4 002</u>					34
15	<u>STD Sample 514-12150601</u>					35
16						36
17						37
18						38
19						39
						40

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-39-S-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-001

Test Code:	EPA TO-15 Modified	Date Collected:	6/23/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:		Pi 1 =	-3.4
Container ID:	SC00635	Pf 1 =	3.5

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.78	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.63	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.61	
67-64-1	Acetone	23	8.1	9.5	3.4	
75-69-4	Trichlorofluoromethane	3.4	1.6	0.60	0.29	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.41	
75-09-2	Methylene chloride	ND	1.6	ND	0.46	
76-13-1	Trichlorotrifluoroethane	9.8	1.6	1.3	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.52	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.41	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.40	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.45	
108-05-4	Vinyl Acetate	3.5	1.6	1.0	0.46	M
78-93-3	2-Butanone (MEK)	1.7	1.6	0.57	0.55	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.41	
67-66-3	Chloroform	ND	1.6	ND	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.40	
71-55-6	1,1,1-Trichloroethane	2.9	1.6	0.53	0.30	
71-43-2	Benzene	27	1.6	8.4	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

Verified By: W

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-39-S-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-001

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00635

Date Collected: 6/23/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/3/07
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.5
 Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	ND	1.6	ND	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.30	
108-88-3	Toluene	53	1.6	14	0.43	
591-78-6	2-Hexanone	ND	1.6	ND	0.39	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	43	1.6	6.3	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	19	1.6	4.3	0.37	
179601-23-1	<i>m,p</i> -Xylenes	90	1.6	21	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.16	
100-42-5	Styrene	3.8	1.6	0.88	0.38	
95-47-6	<i>o</i> -Xylene	36	1.6	8.2	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-39-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-002

Test Code:	EPA TO-15 Modified	Date Collected:	6/23/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00916	Pi 1 =	-3.1
		Pf 1 =	3.5
		Can D.F. =	1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	68	7.9	29	3.3	
75-69-4	Trichlorofluoromethane	5.0	1.6	0.88	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	24	1.6	3.1	0.20	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	12	1.6	3.5	0.45	M
78-93-3	2-Butanone (MEK)	2.1	1.6	0.72	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	32	1.6	9.9	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

111

Verified By: mu Date: 7/13/07

Page No.: _____

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-39-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-002

Test Code: EPA TO-15 Modified

Date Collected: 6/23/07

Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2

Date Received: 6/26/07

Analyst: Chaney Humphrey

Date(s) Analyzed: 7/3/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: SC00916

Pi 1 = -3.1

Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	ND	1.6	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	47	1.6	12	0.42	
591-78-6	2-Hexanone	1.7	1.6	0.42	0.38	M
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	55	1.6	8.2	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	16	1.6	3.7	0.36	
179601-23-1	<i>m,p</i> -Xylenes	69	1.6	16	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	2.2	1.6	0.52	0.37	
95-47-6	<i>o</i> -Xylene	27	1.6	6.3	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-39-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-002DUP

Test Code:	EPA TO-15 Modified	Date Collected:	6/23/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00916	Pi 1 =	-3.1
		Pf 1 =	3.5
		Can D.F. =	1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	69	7.9	29	3.3	
75-69-4	Trichlorofluoromethane	4.9	1.6	0.88	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	24	1.6	3.1	0.20	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	14	1.6	3.8	0.45	M
78-93-3	2-Butanone (MEK)	2.2	1.6	0.73	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	32	1.6	9.9	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

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M = Matrix interference due to coelution with a non-target compound; results may be biased high.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-39-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-002DUP

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00916

Date Collected: 6/23/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/3/07
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	ND	1.6	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	46	1.6	12	0.42	
591-78-6	2-Hexanone	1.7	1.6	0.42	0.38	M
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	55	1.6	8.2	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	16	1.6	3.7	0.36	
179601-23-1	<i>m,p</i> -Xylenes	68	1.6	16	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	2.2	1.6	0.52	0.37	
95-47-6	<i>o</i> -Xylene	27	1.6	6.2	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

Verified By: W

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-38-S-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-003

Test Code: EPA TO-15 Modified

Date Collected: 6/23/07

Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2

Date Received: 6/26/07

Analyst: Chaney Humphrey

Date(s) Analyzed: 7/3/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: SC00657

Pi 1 = -4.1

Pf 1 = 3.6

Can D.F. = 1.73

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.84	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.68	
74-83-9	Bromomethane	ND	1.7	ND	0.45	
75-00-3	Chloroethane	ND	1.7	ND	0.66	
67-64-1	Acetone	170	8.7	72	3.6	
75-69-4	Trichlorofluoromethane	29	1.7	5.1	0.31	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.44	
75-09-2	Methylene chloride	ND	1.7	ND	0.50	
76-13-1	Trichlorotrifluoroethane	2.0	1.7	0.26	0.23	
75-15-0	Carbon Disulfide	2.1	1.7	0.68	0.56	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.44	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.43	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.48	
108-05-4	Vinyl Acetate	14	1.7	3.9	0.49	M
78-93-3	2-Butanone (MEK)	7.7	1.7	2.6	0.59	
156-59-2	cis-1,2-Dichloroethene	3.1	1.7	0.78	0.44	
67-66-3	Chloroform	ND	1.7	ND	0.35	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.43	
71-55-6	1,1,1-Trichloroethane	5.0	1.7	0.92	0.32	
71-43-2	Benzene	24	1.7	7.6	0.54	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.28	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.37	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

115

Verified By: MJ Date: 7/13/07

Page No.: _____

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-38-S-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-003

Test Code:	EPA TO-15 Modified	Date Collected:	6/23/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00657	Pi 1 =	-4.1
		Pf 1 =	3.6
		Can D.F. =	1.73

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.26	
79-01-6	Trichloroethene	ND	1.7	ND	0.32	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.38	
108-10-1	4-Methyl-2-pentanone	2.6	1.7	0.62	0.42	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.38	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.32	
108-88-3	Toluene	68	1.7	18	0.46	
591-78-6	2-Hexanone	2.0	1.7	0.48	0.42	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.23	
127-18-4	Tetrachloroethene	11	1.7	1.6	0.26	
108-90-7	Chlorobenzene	ND	1.7	ND	0.38	
100-41-4	Ethylbenzene	12	1.7	2.7	0.40	
179601-23-1	<i>m,p</i> -Xylenes	42	1.7	9.8	0.40	
75-25-2	Bromoform	ND	1.7	ND	0.17	
100-42-5	Styrene	ND	1.7	ND	0.41	
95-47-6	<i>o</i> -Xylene	10	1.7	2.3	0.40	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.25	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.29	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.29	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.29	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: M Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-38-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-004

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00917

Date Collected: 6/23/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/5/07
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.0 Pf 1 = 3.5
 Can D.F. = 1.56

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.59	
67-64-1	Acetone	24	7.8	10	3.3	M
75-69-4	Trichlorofluoromethane	2.9	1.6	0.51	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.39	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	3.2	1.6	0.41	0.20	
75-15-0	Carbon Disulfide	5.0	1.6	1.6	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.43	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.44	
78-93-3	2-Butanone (MEK)	4.0	1.6	1.4	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.39	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	29	1.6	8.9	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

117

Verified By: WS Date: 7/13/07 Page No.: 1

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-38-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-004

Test Code:	EPA TO-15 Modified	Date Collected:	6/23/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:		Pi 1 =	-3.0
Container ID:	SC00917	Pf 1 =	3.5

Can D.F. = 1.56

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	5.0	1.6	0.94	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	13	1.6	3.5	0.41	
591-78-6	2-Hexanone	ND	1.6	ND	0.38	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	27	1.6	3.9	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	5.9	1.6	1.4	0.36	
179601-23-1	<i>m,p</i> -Xylenes	29	1.6	6.7	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	1.6	1.6	0.37	0.37	M
95-47-6	<i>o</i> -Xylene	11	1.6	2.5	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-37-S-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-005

Test Code: EPA TO-15 Modified

Date Collected: 6/23/07

Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2

Date Received: 6/26/07

Analyst: Chaney Humphrey

Date(s) Analyzed: 7/3/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: SC00873

Pi 1 = -4.0 Pf 1 = 3.6

Can D.F. = 1.71

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.83	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.67	
74-83-9	Bromomethane	ND	1.7	ND	0.44	
75-00-3	Chloroethane	ND	1.7	ND	0.65	
67-64-1	Acetone	28	8.6	12	3.6	M
75-69-4	Trichlorofluoromethane	130	1.7	22	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.43	
75-09-2	Methylene chloride	ND	1.7	ND	0.49	
76-13-1	Trichlorotrifluoroethane	2.9	1.7	0.38	0.22	
75-15-0	Carbon Disulfide	4.2	1.7	1.3	0.55	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.43	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.42	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.47	
108-05-4	Vinyl Acetate	4.2	1.7	1.2	0.49	M
78-93-3	2-Butanone (MEK)	6.0	1.7	2.0	0.58	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.43	
67-66-3	Chloroform	ND	1.7	ND	0.35	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.42	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.31	
71-43-2	Benzene	110	1.7	35	0.54	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.37	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

Verified By: mf

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-37-S-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-005

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00873

Date Collected: 6/23/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/3/07
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -4.0 Pf 1 = 3.6

Can D.F. = 1.71

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.26	
79-01-6	Trichloroethene	ND	1.7	ND	0.32	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.38	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.42	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.38	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	8.5	1.7	2.3	0.45	
591-78-6	2-Hexanone	3.7	1.7	0.90	0.42	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	8.3	1.7	1.2	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.37	
100-41-4	Ethylbenzene	4.1	1.7	0.95	0.39	
179601-23-1	<i>m,p</i> -Xylenes	19	1.7	4.4	0.39	
75-25-2	Bromoform	ND	1.7	ND	0.17	
100-42-5	Styrene	ND	1.7	ND	0.40	
95-47-6	<i>o</i> -Xylene	6.6	1.7	1.5	0.39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.25	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

120

Verified By: W Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-37-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-006

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00576

Date Collected: 6/23/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/3/07 & 7/5/07
 Volume(s) Analyzed: 1.00 Liter(s)
 0.10 Liter(s)

Pi 1 = -3.8 Pf 1 = 3.9
 Can D.F. = 1.71

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.83	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.67	
74-83-9	Bromomethane	ND	1.7	ND	0.44	
75-00-3	Chloroethane	ND	1.7	ND	0.65	
67-64-1	Acetone	15	8.6	6.5	3.6	M
75-69-4	Trichlorofluoromethane	410	1.7	73	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.43	
75-09-2	Methylene chloride	ND	1.7	ND	0.49	
76-13-1	Trichlorotrifluoroethane	9.4	1.7	1.2	0.22	
75-15-0	Carbon Disulfide	4.3	1.7	1.4	0.55	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.43	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.42	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.47	
108-05-4	Vinyl Acetate	2.2	1.7	0.63	0.49	M
78-93-3	2-Butanone (MEK)	4.6	1.7	1.6	0.58	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.43	
67-66-3	Chloroform	ND	1.7	ND	0.35	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.42	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.31	
71-43-2	Benzene	61	1.7	19	0.54	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.37	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

121

Verified By: w Date: 7/13/07 Page No.: _____

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-37-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-006

Test Code: EPA TO-15 Modified

Date Collected: 6/23/07

Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2

Date Received: 6/26/07

Analyst: Chaney Humphrey

Date(s) Analyzed: 7/3/07 & 7/5/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

0.10 Liter(s)

Container ID: SC00576

Pi 1 = -3.8

Pf 1 = 3.9

Can D.F. = 1.71

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.26	
79-01-6	Trichloroethene	2.6	1.7	0.49	0.32	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.38	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.42	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.38	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	6.1	1.7	1.6	0.45	
591-78-6	2-Hexanone	2.9	1.7	0.72	0.42	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	68	1.7	10	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.37	
100-41-4	Ethylbenzene	3.1	1.7	0.70	0.39	
179601-23-1	<i>m,p</i> -Xylenes	15	1.7	3.4	0.39	
75-25-2	Bromoform	ND	1.7	ND	0.17	
100-42-5	Styrene	ND	1.7	ND	0.40	
95-47-6	<i>o</i> -Xylene	5.6	1.7	1.3	0.39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.25	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-56-S-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-007

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00915

Date Collected: 6/23/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/3/07
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.5 Pf 1 = 3.4
 Can D.F. = 1.62

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.78	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.63	
74-83-9	Bromomethane	ND	1.6	ND	0.42	
75-00-3	Chloroethane	ND	1.6	ND	0.61	
67-64-1	Acetone	11	8.1	4.5	3.4	M
75-69-4	Trichlorofluoromethane	1.9	1.6	0.33	0.29	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.41	
75-09-2	Methylene chloride	ND	1.6	ND	0.47	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.52	
156-60-5	trans-1,2-Dichloroethene	2.8	1.6	0.71	0.41	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.40	
1634-04-4	Methyl tert-Butyl Ether	100	1.6	28	0.45	
108-05-4	Vinyl Acetate	2.4	1.6	0.69	0.46	M
78-93-3	2-Butanone (MEK)	2.6	1.6	0.89	0.55	
156-59-2	cis-1,2-Dichloroethene	68	1.6	17	0.41	
67-66-3	Chloroform	ND	1.6	ND	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.40	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.30	
71-43-2	Benzene	54	1.6	17	0.51	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

123

Verified By: mu Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-56-S-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-007

Test Code: EPA TO-15 Modified

Date Collected: 6/23/07

Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2

Date Received: 6/26/07

Analyst: Chaney Humphrey

Date(s) Analyzed: 7/3/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: SC00915

Pi 1 = -3.5

Pf 1 = 3.4

Can D.F. = 1.62

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	66	1.6	12	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.36	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.36	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.30	
108-88-3	Toluene	13	1.6	3.5	0.43	
591-78-6	2-Hexanone	1.6	1.6	0.40	0.40	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	110	1.6	16	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	5.8	1.6	1.3	0.37	
179601-23-1	m,p-Xylenes	26	1.6	5.9	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.16	
100-42-5	Styrene	ND	1.6	ND	0.38	
95-47-6	o-Xylene	8.4	1.6	1.9	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

124

Verified By: MJ Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-56-S-6-23-07-SC

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-008

Test Code: EPA TO-15 Modified

Date Collected: 6/23/07

Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2

Date Received: 6/26/07

Analyst: Chaney Humphrey

Date(s) Analyzed: 7/5/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: SC00904

Pi 1 = -3.8

Pf 1 = 3.6

Can D.F. = 1.68

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.81	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.66	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.64	
67-64-1	Acetone	21	8.4	8.7	3.5	M
75-69-4	Trichlorofluoromethane	ND	1.7	ND	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.54	
156-60-5	trans-1,2-Dichloroethene	2.9	1.7	0.74	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.42	
1634-04-4	Methyl tert-Butyl Ether	100	1.7	28	0.47	
108-05-4	Vinyl Acetate	3.5	1.7	1.0	0.48	M, V
78-93-3	2-Butanone (MEK)	5.5	1.7	1.9	0.57	
156-59-2	cis-1,2-Dichloroethene	71	1.7	18	0.42	
67-66-3	Chloroform	ND	1.7	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.42	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.31	
71-43-2	Benzene	50	1.7	16	0.53	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

V = The client required closing continuing calibration verification standard was outside (biased high) the method limits for this compound.

125

Verified By: m Date: 7/13/07

Page No.: _____

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-56-S-6-23-07-SC

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-008

Test Code:	EPA TO-15 Modified	Date Collected:	6/23/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00904	Pi 1 =	-3.8

Pf 1 = -3.6

Can D.F. = 1.68

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	70	1.7	13	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	14	1.7	3.7	0.45	
591-78-6	2-Hexanone	1.8	1.7	0.45	0.41	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	120	1.7	17	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	5.4	1.7	1.2	0.39	
179601-23-1	m,p-Xylenes	24	1.7	5.6	0.39	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	ND	1.7	ND	0.39	
95-47-6	o-Xylene	8.0	1.7	1.8	0.39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

126

Verified By: ms

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-56-I-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-009

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00954

Date Collected: 6/23/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/5/07
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.7 Pf 1 = 3.5
 Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.80	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.65	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.63	
67-64-1	Acetone	15	8.3	6.3	3.5	M
75-69-4	Trichlorofluoromethane	2.3	1.7	0.42	0.29	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	2.2	1.7	0.29	0.22	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	34	1.7	9.4	0.46	
108-05-4	Vinyl Acetate	8.7	1.7	2.5	0.47	M, V
78-93-3	2-Butanone (MEK)	2.9	1.7	0.98	0.56	
156-59-2	cis-1,2-Dichloroethene	22	1.7	5.5	0.42	
67-66-3	Chloroform	23	1.7	4.8	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.41	
71-55-6	1,1,1-Trichloroethane	2.8	1.7	0.51	0.30	
71-43-2	Benzene	12	1.7	3.7	0.52	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

V = The client required closing continuing calibration verification standard was outside (biased high) the method limits for this compound.

127

Verified By: _____ Date: 7/24/07
 Page No.: _____

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-56-I-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-009

Test Code: EPA TO-15 Modified

Date Collected: 6/23/07

Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2

Date Received: 6/26/07

Analyst: Chaney Humphrey

Date(s) Analyzed: 7/5/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: SC00954

Pi 1 = -3.7

Pf 1 = 3.5

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	250	1.7	47	0.31	E
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.36	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.36	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.30	
108-88-3	Toluene	5.4	1.7	1.4	0.44	
591-78-6	2-Hexanone	ND	1.7	ND	0.40	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.21	
127-18-4	Tetrachloroethene	61	1.7	9.1	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	3.8	1.7	0.86	0.38	
179601-23-1	m,p-Xylenes	17	1.7	3.9	0.38	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	ND	1.7	ND	0.39	
95-47-6	o-Xylene	4.9	1.7	1.1	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

E = Estimated; result based on response which exceeded the instrument calibration range.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-56-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-010

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00850

Date Collected: 6/23/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/5 - 7/6/07
 Volume(s) Analyzed: 1.00 Liter(s)
 0.10 Liter(s)

Pi 1 = -2.9 Pf 1 = 3.5

Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.75	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.60	
74-83-9	Bromomethane	ND	1.5	ND	0.40	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	31	7.7	13	3.2	M
75-69-4	Trichlorofluoromethane	2.6	1.5	0.47	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	2.4	1.5	0.31	0.20	
75-15-0	Carbon Disulfide	3.4	1.5	1.1	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	32	1.5	9.0	0.43	
108-05-4	Vinyl Acetate	14	1.5	4.0	0.44	V
78-93-3	2-Butanone (MEK)	3.0	1.5	1.0	0.52	
156-59-2	cis-1,2-Dichloroethene	15	1.5	3.7	0.39	
67-66-3	Chloroform	28	1.5	5.7	0.32	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	3.6	1.5	0.66	0.28	
71-43-2	Benzene	17	1.5	5.3	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

V = The client required closing continuing calibration verification standard was outside (biased high) the method limits for this compound.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-56-D-6-23-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-010

Test Code:	EPA TO-15 Modified	Date Collected:	6/23/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/5 - 7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	SC00850	Pi 1 =	-2.9
		Pf 1 =	3.5
		Can D.F. = 1.54	

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	290	1.5	54	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	3.5	1.5	0.93	0.41	
591-78-6	2-Hexanone	ND	1.5	ND	0.38	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	63	1.5	9.3	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	4.5	1.5	1.0	0.35	
179601-23-1	<i>m,p</i> -Xylenes	19	1.5	4.4	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.36	
95-47-6	<i>o</i> -Xylene	4.7	1.5	1.1	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

130

Verified By: W Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-42-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-011

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00794	Pi 1 =	-3.0

Pf 1 = 3.7

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	ND	7.9	ND	3.3	* , V
75-69-4	Trichlorofluoromethane	ND	1.6	ND	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	2.7	1.6	0.35	0.20	
75-15-0	Carbon Disulfide	3.1	1.6	0.99	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.45	
78-93-3	2-Butanone (MEK)	ND	1.6	ND	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	20	1.6	6.1	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

131

Verified By: m

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-42-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-011

Test Code: EPA TO-15 Modified

Date Collected: 6/24/07

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Date Received: 6/26/07

Analyst: Simon Cao

Date(s) Analyzed: 7/3/07

Sampling Media: Summa Canister

Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Container ID: SC00794

Pi 1 = -3.0

Pf 1 = 3.7

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	ND	1.6	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	29	1.6	7.7	0.42	
591-78-6	2-Hexanone	ND	1.6	ND	0.38	V
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	9.5	1.6	1.4	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	7.4	1.6	1.7	0.36	
179601-23-1	<i>m,p</i> -Xylenes	49	1.6	11	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	8.1	1.6	1.9	0.37	
95-47-6	<i>o</i> -Xylene	18	1.6	4.2	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

132

Verified By: TM Date: 7/3/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-42-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-011DUP

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00794	Pi 1 =	-3.0
		Pf 1 =	3.7
		Can D.F. =	1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	ND	7.9	ND	3.3	*, V
75-69-4	Trichlorofluoromethane	ND	1.6	ND	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	2.6	1.6	0.34	0.20	
75-15-0	Carbon Disulfide	2.9	1.6	0.92	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	1.6	ND	0.45	
78-93-3	2-Butanone (MEK)	ND	1.6	ND	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	18	1.6	5.7	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

133

Verified By: W Date: 7/13/07 Page No.: 1

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-42-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-011DUP

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00794	Pi 1 =	-3.0
		Pf 1 =	3.7
		Can D.F. =	1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	ND	1.6	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	29	1.6	7.7	0.42	
591-78-6	2-Hexanone	ND	1.6	ND	0.38	V
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	9.7	1.6	1.4	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	7.2	1.6	1.7	0.36	
179601-23-1	m,p-Xylenes	49	1.6	11	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	8.1	1.6	1.9	0.37	
95-47-6	o-Xylene	18	1.6	4.1	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

134

Verified By: W Date: 7/13/07 Page No.: 1

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-42-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-012

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00653	Pi 1 =	-3.2

Pf 1 = 3.6

Can D.F. = 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.77	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.62	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	10	8.0	4.2	3.3	*, V
75-69-4	Trichlorofluoromethane	ND	1.6	ND	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.46	
76-13-1	Trichlorotrifluoroethane	6.2	1.6	0.81	0.21	
75-15-0	Carbon Disulfide	4.3	1.6	1.4	0.51	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	2.5	1.6	0.71	0.45	
78-93-3	2-Butanone (MEK)	ND	1.6	ND	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	20	1.6	6.2	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

Verified By: W

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-42-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-012

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00653	Pi 1 =	-3.2

Pf 1 = 3.6

Can D.F. = 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	ND	1.6	ND	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	28	1.6	7.5	0.42	
591-78-6	2-Hexanone	ND	1.6	ND	0.39	V
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	17	1.6	2.5	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	7.5	1.6	1.7	0.37	
179601-23-1	<i>m,p</i> -Xylenes	42	1.6	9.7	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	5.4	1.6	1.3	0.37	
95-47-6	<i>o</i> -Xylene	16	1.6	3.6	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-55-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-013

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.050 Liter(s)
Test Notes:			
Container ID:	SC00086	Pi 1 =	-2.7
		Pf 1 =	4.1
		Can D.F. =	1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	31	ND	15	
75-01-4	Vinyl Chloride	ND	31	ND	12	
74-83-9	Bromomethane	ND	31	ND	8.1	
75-00-3	Chloroethane	ND	31	ND	12	
67-64-1	Acetone	ND	160	ND	66	*
75-69-4	Trichlorofluoromethane	ND	31	ND	5.6	
75-35-4	1,1-Dichloroethene	ND	31	ND	7.9	
75-09-2	Methylene chloride	ND	31	ND	9.0	
76-13-1	Trichlorotrifluoroethane	ND	31	ND	4.1	
75-15-0	Carbon Disulfide	36	31	11	10	
156-60-5	trans-1,2-Dichloroethene	ND	31	ND	7.9	
75-34-3	1,1-Dichloroethane	ND	31	ND	7.8	
1634-04-4	Methyl tert-Butyl Ether	ND	31	ND	8.7	
108-05-4	Vinyl Acetate	ND	31	ND	8.9	
78-93-3	2-Butanone (MEK)	ND	31	ND	11	
156-59-2	cis-1,2-Dichloroethene	40	31	10	7.9	
67-66-3	Chloroform	ND	31	ND	6.4	
107-06-2	1,2-Dichloroethane	ND	31	ND	7.8	
71-55-6	1,1,1-Trichloroethane	ND	31	ND	5.8	
71-43-2	Benzene	36	31	11	9.8	
56-23-5	Carbon Tetrachloride	ND	31	ND	5.0	
78-87-5	1,2-Dichloropropane	ND	31	ND	6.8	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

137

Verified By: w Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-55-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-013

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.050 Liter(s)
Test Notes:			
Container ID:	SC00086	Pi 1 =	-2.7
		Pf 1 =	4.1
		Can D.F. =	1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	31	ND	4.7	
79-01-6	Trichloroethene	ND	31	ND	5.8	
10061-01-5	cis-1,3-Dichloropropene	ND	31	ND	6.9	
108-10-1	4-Methyl-2-pentanone	ND	31	ND	7.7	
10061-02-6	trans-1,3-Dichloropropene	ND	31	ND	6.9	
79-00-5	1,1,2-Trichloroethane	ND	31	ND	5.8	
108-88-3	Toluene	ND	31	ND	8.3	
591-78-6	2-Hexanone	ND	31	ND	7.7	
124-48-1	Dibromochloromethane	ND	31	ND	3.7	
106-93-4	1,2-Dibromoethane	ND	31	ND	4.1	
127-18-4	Tetrachloroethene	ND	31	ND	4.6	
108-90-7	Chlorobenzene	ND	31	ND	6.8	
100-41-4	Ethylbenzene	ND	31	ND	7.2	
179601-23-1	<i>m,p</i> -Xylenes	ND	31	ND	7.2	
75-25-2	Bromoform	ND	31	ND	3.0	
100-42-5	Styrene	ND	31	ND	7.4	
95-47-6	<i>o</i> -Xylene	ND	31	ND	7.2	
79-34-5	1,1,2,2-Tetrachloroethane	ND	31	ND	4.6	
541-73-1	1,3-Dichlorobenzene	ND	31	ND	5.2	
106-46-7	1,4-Dichlorobenzene	ND	31	ND	5.2	
95-50-1	1,2-Dichlorobenzene	ND	31	ND	5.2	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

138

Verified By: W

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-55-I-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-014

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.30 Liter(s)
Test Notes:			
Container ID:	SC00527	Pi 1 =	-3.1

Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	5.2	ND	2.5	
75-01-4	Vinyl Chloride	ND	5.2	ND	2.0	
74-83-9	Bromomethane	ND	5.2	ND	1.3	
75-00-3	Chloroethane	ND	5.2	ND	2.0	
67-64-1	Acetone	ND	26	ND	11	*, V
75-69-4	Trichlorofluoromethane	ND	5.2	ND	0.93	
75-35-4	1,1-Dichloroethene	ND	5.2	ND	1.3	
75-09-2	Methylene chloride	ND	5.2	ND	1.5	
76-13-1	Trichlorotrifluoroethane	ND	5.2	ND	0.68	
75-15-0	Carbon Disulfide	6.4	5.2	2.1	1.7	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	ND	1.3	
75-34-3	1,1-Dichloroethane	ND	5.2	ND	1.3	
1634-04-4	Methyl tert-Butyl Ether	ND	5.2	ND	1.5	
108-05-4	Vinyl Acetate	ND	5.2	ND	1.5	
78-93-3	2-Butanone (MEK)	ND	5.2	ND	1.8	
156-59-2	cis-1,2-Dichloroethene	16	5.2	4.0	1.3	
67-66-3	Chloroform	ND	5.2	ND	1.1	
107-06-2	1,2-Dichloroethane	ND	5.2	ND	1.3	
71-55-6	1,1,1-Trichloroethane	ND	5.2	ND	0.96	
71-43-2	Benzene	20	5.2	6.2	1.6	
56-23-5	Carbon Tetrachloride	ND	5.2	ND	0.83	
78-87-5	1,2-Dichloropropane	ND	5.2	ND	1.1	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-55-I-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-014

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.30 Liter(s)
Test Notes:			
Container ID:	SC00527	Pi 1 =	-3.1
		Pf 1 =	3.5
		Can D.F. =	1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	5.2	ND	0.78	
79-01-6	Trichloroethene	24	5.2	4.5	0.97	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	ND	1.2	
108-10-1	4-Methyl-2-pentanone	ND	5.2	ND	1.3	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	ND	1.2	
79-00-5	1,1,2-Trichloroethane	ND	5.2	ND	0.96	
108-88-3	Toluene	6.5	5.2	1.7	1.4	
591-78-6	2-Hexanone	ND	5.2	ND	1.3	V
124-48-1	Dibromochloromethane	ND	5.2	ND	0.61	
106-93-4	1,2-Dibromoethane	ND	5.2	ND	0.68	
127-18-4	Tetrachloroethene	22	5.2	3.2	0.77	
108-90-7	Chlorobenzene	ND	5.2	ND	1.1	
100-41-4	Ethylbenzene	ND	5.2	ND	1.2	
179601-23-1	<i>m,p</i> -Xylenes	8.6	5.2	2.0	1.2	
75-25-2	Bromoform	ND	5.2	ND	0.51	
100-42-5	Styrene	ND	5.2	ND	1.2	
95-47-6	<i>o</i> -Xylene	ND	5.2	ND	1.2	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	ND	0.76	
541-73-1	1,3-Dichlorobenzene	ND	5.2	ND	0.87	
106-46-7	1,4-Dichlorobenzene	ND	5.2	ND	0.87	
95-50-1	1,2-Dichlorobenzene	ND	5.2	ND	0.87	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

140

Verified By: mu Date: 7/12/07 Page No.: 2

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-55-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-015

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00626	Pi 1 =	-2.6

Pf 1 = 3.5

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.73	
75-01-4	Vinyl Chloride	1.7	1.5	0.68	0.59	
74-83-9	Bromomethane	ND	1.5	ND	0.39	
75-00-3	Chloroethane	ND	1.5	ND	0.57	
67-64-1	Acetone	110	7.5	44	3.2	* , V, M
75-69-4	Trichlorofluoromethane	ND	1.5	ND	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.38	
75-09-2	Methylene chloride	ND	1.5	ND	0.43	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	12	1.5	4.0	0.48	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.38	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.37	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.42	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.43	
78-93-3	2-Butanone (MEK)	21	1.5	7.1	0.51	
156-59-2	cis-1,2-Dichloroethene	11	1.5	2.8	0.38	
67-66-3	Chloroform	ND	1.5	ND	0.31	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.37	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	16	1.5	5.0	0.47	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.32	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

* = The % RSD for the initial calibration exceeded client specified requirements.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

141

Verified By: W Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-55-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-015

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00626	Pi 1 =	-2.6

Pf 1 = 3.5

Can D.F. = 1.50

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.22	
79-01-6	Trichloroethene	13	1.5	2.4	0.28	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.33	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.37	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.33	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	8.9	1.5	2.4	0.40	
591-78-6	2-Hexanone	ND	1.5	ND	0.37	V
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	8.5	1.5	1.3	0.22	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	4.2	1.5	0.98	0.35	
179601-23-1	<i>m,p</i> -Xylenes	19	1.5	4.5	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	ND	1.5	ND	0.35	
95-47-6	<i>o</i> -Xylene	7.2	1.5	1.7	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.25	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.25	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.25	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

142

Verified By: mu Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-61-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-016

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00805	Pi 1 =	-3.4

Pf 1 = 4.1

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.80	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.65	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.63	
67-64-1	Acetone	10	8.3	4.2	3.5	*, V
75-69-4	Trichlorofluoromethane	ND	1.7	ND	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	2.4	1.7	0.76	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.46	
108-05-4	Vinyl Acetate	ND	1.7	ND	0.47	
78-93-3	2-Butanone (MEK)	1.9	1.7	0.65	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.42	
67-66-3	Chloroform	ND	1.7	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.30	
71-43-2	Benzene	21	1.7	6.5	0.52	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

143

Verified By: W Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-61-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-016

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:		Pi 1 =	-3.4
Container ID:	SC00805	Pf 1 =	4.1

Can D.F. = 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.30	
108-88-3	Toluene	19	1.7	5.0	0.44	
591-78-6	2-Hexanone	ND	1.7	ND	0.41	V
124-48-1	Dibromochloromethane	ND	1.7	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	ND	1.7	ND	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	6.6	1.7	1.5	0.38	
179601-23-1	<i>m,p</i> -Xylenes	34	1.7	7.7	0.38	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	2.8	1.7	0.65	0.39	
95-47-6	<i>o</i> -Xylene	12	1.7	2.7	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

Verified By: mu Date: 7/13/07 Page No.: 144

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-61-I-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-017

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.50 Liter(s)
Test Notes:			
Container ID:	SC00413	Pi 1 =	-3.8
		Pf 1 =	3.5

Can D.F. = 1.67

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.3	ND	1.6	
75-01-4	Vinyl Chloride	ND	3.3	ND	1.3	
74-83-9	Bromomethane	ND	3.3	ND	0.86	
75-00-3	Chloroethane	ND	3.3	ND	1.3	
67-64-1	Acetone	64	17	27	7.0	*, V
75-69-4	Trichlorofluoromethane	ND	3.3	ND	0.59	
75-35-4	1,1-Dichloroethene	ND	3.3	ND	0.84	
75-09-2	Methylene chloride	ND	3.3	ND	0.96	
76-13-1	Trichlorotrifluoroethane	ND	3.3	ND	0.44	
75-15-0	Carbon Disulfide	160	3.3	52	1.1	
156-60-5	trans-1,2-Dichloroethene	ND	3.3	ND	0.84	
75-34-3	1,1-Dichloroethane	21	3.3	5.2	0.83	
1634-04-4	Methyl tert-Butyl Ether	ND	3.3	ND	0.93	
108-05-4	Vinyl Acetate	50	3.3	14	0.95	
78-93-3	2-Butanone (MEK)	86	3.3	29	1.1	
156-59-2	cis-1,2-Dichloroethene	4.3	3.3	1.1	0.84	
67-66-3	Chloroform	3.7	3.3	0.75	0.68	
107-06-2	1,2-Dichloroethane	ND	3.3	ND	0.83	
71-55-6	1,1,1-Trichloroethane	ND	3.3	ND	0.61	
71-43-2	Benzene	87	3.3	27	1.0	
56-23-5	Carbon Tetrachloride	ND	3.3	ND	0.53	
78-87-5	1,2-Dichloropropane	6.6	3.3	1.4	0.72	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

145

Verified By: M Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-61-I-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-017

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.50 Liter(s)
Test Notes:			
Container ID:	SC00413	Pi 1 =	-3.8
		Pf 1 =	3.5
		Can D.F. =	1.67

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.3	ND	0.50	
79-01-6	Trichloroethene	ND	3.3	ND	0.62	
10061-01-5	cis-1,3-Dichloropropene	ND	3.3	ND	0.74	
108-10-1	4-Methyl-2-pentanone	13	3.3	3.2	0.82	
10061-02-6	trans-1,3-Dichloropropene	ND	3.3	ND	0.74	
79-00-5	1,1,2-Trichloroethane	ND	3.3	ND	0.61	
108-88-3	Toluene	16	3.3	4.2	0.89	
591-78-6	2-Hexanone	5.8	3.3	1.4	0.82	V
124-48-1	Dibromochloromethane	ND	3.3	ND	0.39	
106-93-4	1,2-Dibromoethane	ND	3.3	ND	0.43	
127-18-4	Tetrachloroethene	24	3.3	3.6	0.49	
108-90-7	Chlorobenzene	ND	3.3	ND	0.73	
100-41-4	Ethylbenzene	6.2	3.3	1.4	0.77	
179601-23-1	<i>m,p</i> -Xylenes	28	3.3	6.5	0.77	
75-25-2	Bromoform	ND	3.3	ND	0.32	
100-42-5	Styrene	ND	3.3	ND	0.78	
95-47-6	<i>o</i> -Xylene	9.7	3.3	2.2	0.77	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.3	ND	0.49	
541-73-1	1,3-Dichlorobenzene	ND	3.3	ND	0.56	
106-46-7	1,4-Dichlorobenzene	ND	3.3	ND	0.56	
95-50-1	1,2-Dichlorobenzene	ND	3.3	ND	0.56	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

146

Verified By: WC Date: 7/13/07 Page No.: 1

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-61-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-018

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.50 Liter(s)
Test Notes:			
Container ID:	SC00899	Pi 1 =	-2.6

Pf 1 = 3.7

Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.0	ND	1.5	
75-01-4	Vinyl Chloride	ND	3.0	ND	1.2	
74-83-9	Bromomethane	ND	3.0	ND	0.78	
75-00-3	Chloroethane	ND	3.0	ND	1.2	
67-64-1	Acetone	41	15	17	6.4	*
75-69-4	Trichlorofluoromethane	ND	3.0	ND	0.54	
75-35-4	1,1-Dichloroethene	ND	3.0	ND	0.77	
75-09-2	Methylene chloride	ND	3.0	ND	0.88	
76-13-1	Trichlorotrifluoroethane	ND	3.0	ND	0.40	
75-15-0	Carbon Disulfide	3.5	3.0	1.1	0.98	
156-60-5	trans-1,2-Dichloroethene	ND	3.0	ND	0.77	
75-34-3	1,1-Dichloroethane	23	3.0	5.7	0.75	
1634-04-4	Methyl tert-Butyl Ether	ND	3.0	ND	0.84	
108-05-4	Vinyl Acetate	7.1	3.0	2.0	0.86	M
78-93-3	2-Butanone (MEK)	6.5	3.0	2.2	1.0	
156-59-2	cis-1,2-Dichloroethene	3.3	3.0	0.83	0.77	
67-66-3	Chloroform	3.4	3.0	0.70	0.62	
107-06-2	1,2-Dichloroethane	ND	3.0	ND	0.75	
71-55-6	1,1,1-Trichloroethane	ND	3.0	ND	0.56	
71-43-2	Benzene	120	3.0	38	0.95	
56-23-5	Carbon Tetrachloride	ND	3.0	ND	0.48	
78-87-5	1,2-Dichloropropane	ND	3.0	ND	0.66	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

* = The % RSD for the initial calibration exceeded client specified requirements.

147

Verified By: Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-61-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-018

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.50 Liter(s)
Test Notes:			
Container ID:	SC00899	Pi 1 =	-2.6
		Pf 1 =	3.7
		Can D.F. =	1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.0	ND	0.45	
79-01-6	Trichloroethene	4.0	3.0	0.74	0.57	
10061-01-5	cis-1,3-Dichloropropene	ND	3.0	ND	0.67	
108-10-1	4-Methyl-2-pentanone	ND	3.0	ND	0.74	
10061-02-6	trans-1,3-Dichloropropene	ND	3.0	ND	0.67	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ND	0.56	
108-88-3	Toluene	20	3.0	5.4	0.81	
591-78-6	2-Hexanone	4.2	3.0	1.0	0.74	
124-48-1	Dibromochloromethane	ND	3.0	ND	0.36	
106-93-4	1,2-Dibromoethane	ND	3.0	ND	0.40	
127-18-4	Tetrachloroethene	26	3.0	3.8	0.45	
108-90-7	Chlorobenzene	ND	3.0	ND	0.66	
100-41-4	Ethylbenzene	6.2	3.0	1.4	0.70	
179601-23-1	<i>m,p</i> -Xylenes	34	3.0	7.8	0.70	
75-25-2	Bromoform	ND	3.0	ND	0.29	
100-42-5	Styrene	4.8	3.0	1.1	0.71	
95-47-6	<i>o</i> -Xylene	12	3.0	2.8	0.70	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.0	ND	0.44	
541-73-1	1,3-Dichlorobenzene	ND	3.0	ND	0.51	
106-46-7	1,4-Dichlorobenzene	ND	3.0	ND	0.51	
95-50-1	1,2-Dichlorobenzene	ND	3.0	ND	0.51	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

148

Verified By: m Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-61-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-018DUP

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
 Analyst: Simon Cao
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00899

Date Collected: 6/24/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/5/07
 Volume(s) Analyzed: 0.50 Liter(s)

Pi 1 = -2.6 Pf 1 = 3.7
 Can D.F. = 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.0	ND	1.5	
75-01-4	Vinyl Chloride	ND	3.0	ND	1.2	
74-83-9	Bromomethane	ND	3.0	ND	0.78	
75-00-3	Chloroethane	ND	3.0	ND	1.2	
67-64-1	Acetone	45	15	19	6.4	*
75-69-4	Trichlorofluoromethane	ND	3.0	ND	0.54	
75-35-4	1,1-Dichloroethene	ND	3.0	ND	0.77	
75-09-2	Methylene chloride	ND	3.0	ND	0.88	
76-13-1	Trichlorotrifluoroethane	ND	3.0	ND	0.40	
75-15-0	Carbon Disulfide	3.6	3.0	1.2	0.98	
156-60-5	trans-1,2-Dichloroethene	ND	3.0	ND	0.77	
75-34-3	1,1-Dichloroethane	22	3.0	5.5	0.75	
1634-04-4	Methyl tert-Butyl Ether	ND	3.0	ND	0.84	
108-05-4	Vinyl Acetate	6.6	3.0	1.9	0.86	M
78-93-3	2-Butanone (MEK)	6.4	3.0	2.2	1.0	
156-59-2	cis-1,2-Dichloroethene	3.2	3.0	0.82	0.77	
67-66-3	Chloroform	3.2	3.0	0.67	0.62	
107-06-2	1,2-Dichloroethane	ND	3.0	ND	0.75	
71-55-6	1,1,1-Trichloroethane	ND	3.0	ND	0.56	
71-43-2	Benzene	120	3.0	38	0.95	
56-23-5	Carbon Tetrachloride	ND	3.0	ND	0.48	
78-87-5	1,2-Dichloropropane	ND	3.0	ND	0.66	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

* = The % RSD for the initial calibration exceeded client specified requirements.

Verified By: w

Date: 7/12/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-61-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-018DUP

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.50 Liter(s)
Test Notes:			
Container ID:	SC00899	Pi 1 =	-2.6
		Pf 1 =	3.7
		Can D.F. =	1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.0	ND	0.45	
79-01-6	Trichloroethene	4.0	3.0	0.75	0.57	
10061-01-5	cis-1,3-Dichloropropene	ND	3.0	ND	0.67	
108-10-1	4-Methyl-2-pentanone	ND	3.0	ND	0.74	
10061-02-6	trans-1,3-Dichloropropene	ND	3.0	ND	0.67	
79-00-5	1,1,2-Trichloroethane	ND	3.0	ND	0.56	
108-88-3	Toluene	20	3.0	5.4	0.81	
591-78-6	2-Hexanone	4.2	3.0	1.0	0.74	
124-48-1	Dibromochloromethane	ND	3.0	ND	0.36	
106-93-4	1,2-Dibromoethane	ND	3.0	ND	0.40	
127-18-4	Tetrachloroethene	27	3.0	3.9	0.45	
108-90-7	Chlorobenzene	ND	3.0	ND	0.66	
100-41-4	Ethylbenzene	6.2	3.0	1.4	0.70	
179601-23-1	<i>m,p</i> -Xylenes	34	3.0	7.8	0.70	
75-25-2	Bromoform	ND	3.0	ND	0.29	
100-42-5	Styrene	4.6	3.0	1.1	0.71	
95-47-6	o-Xylene	12	3.0	2.8	0.70	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.0	ND	0.44	
541-73-1	1,3-Dichlorobenzene	ND	3.0	ND	0.51	
106-46-7	1,4-Dichlorobenzene	ND	3.0	ND	0.51	
95-50-1	1,2-Dichlorobenzene	ND	3.0	ND	0.51	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

150

Verified By: MJ Date: 7/13/07 Page No.: 18

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-31-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-019

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
 Analyst: Simon Cao
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00372

Date Collected: 6/24/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/5/07
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.9

Pf 1 = 3.5

Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.75	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.60	
74-83-9	Bromomethane	ND	1.5	ND	0.40	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	15	7.7	6.2	3.2	*
75-69-4	Trichlorofluoromethane	2.1	1.5	0.38	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	ND	1.5	ND	0.20	
75-15-0	Carbon Disulfide	15	1.5	4.9	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.43	
108-05-4	Vinyl Acetate	ND	1.5	ND	0.44	
78-93-3	2-Butanone (MEK)	3.9	1.5	1.3	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.39	
67-66-3	Chloroform	ND	1.5	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	38	1.5	12	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

Verified By: W Date: 7/13/07 Page No.: 151

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: WDI-VW-31-S-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P2701887-019

Test Code: EPA TO-15 Modified Date Collected: 6/24/07
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 6/26/07
 Analyst: Simon Cao Date(s) Analyzed: 7/5/07
 Sampling Media: Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
 Test Notes:
 Container ID: SC00372

Pi 1 = -2.9 Pf 1 = 3.5

Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	3.1	1.5	0.57	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	78	1.5	21	0.41	
591-78-6	2-Hexanone	ND	1.5	ND	0.38	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	54	1.5	8.0	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	17	1.5	4.0	0.35	
179601-23-1	<i>m,p</i> -Xylenes	95	1.5	22	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	13	1.5	3.0	0.36	
95-47-6	<i>o</i> -Xylene	33	1.5	7.5	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

152

Verified By: ms Date: 7/13/07 Page No.: 1

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-46-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-020

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.40 Liter(s)
Test Notes:			
Container ID:	SC00605	Pi 1 =	-3.7
		Pf 1 =	3.5
		Can D.F. = 1.65	

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	4.1	ND	2.0	
75-01-4	Vinyl Chloride	ND	4.1	ND	1.6	
74-83-9	Bromomethane	ND	4.1	ND	1.1	
75-00-3	Chloroethane	ND	4.1	ND	1.6	
67-64-1	Acetone	22	21	9.2	8.7	M, *
75-69-4	Trichlorofluoromethane	11	4.1	1.9	0.73	
75-35-4	1,1-Dichloroethene	ND	4.1	ND	1.0	
75-09-2	Methylene chloride	ND	4.1	ND	1.2	
76-13-1	Trichlorotrifluoroethane	ND	4.1	ND	0.54	
75-15-0	Carbon Disulfide	ND	4.1	ND	1.3	
156-60-5	trans-1,2-Dichloroethene	ND	4.1	ND	1.0	
75-34-3	1,1-Dichloroethane	11	4.1	2.7	1.0	
1634-04-4	Methyl tert-Butyl Ether	ND	4.1	ND	1.1	
108-05-4	Vinyl Acetate	ND	4.1	ND	1.2	
78-93-3	2-Butanone (MEK)	4.9	4.1	1.7	1.4	
156-59-2	cis-1,2-Dichloroethene	ND	4.1	ND	1.0	
67-66-3	Chloroform	ND	4.1	ND	0.85	
107-06-2	1,2-Dichloroethane	ND	4.1	ND	1.0	
71-55-6	1,1,1-Trichloroethane	ND	4.1	ND	0.76	
71-43-2	Benzene	95	4.1	30	1.3	
56-23-5	Carbon Tetrachloride	ND	4.1	ND	0.66	
78-87-5	1,2-Dichloropropane	ND	4.1	ND	0.89	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

* = The % RSD for the initial calibration exceeded client specified requirements.

Verified By: w Date: 7/13/07 Page No.: 153

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-46-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-020

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	0.40 Liter(s)
Test Notes:			
Container ID:	SC00605	Pi 1 =	-3.7

Pf 1 = 3.5

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	4.1	ND	0.62	
79-01-6	Trichloroethene	ND	4.1	ND	0.77	
10061-01-5	cis-1,3-Dichloropropene	ND	4.1	ND	0.91	
108-10-1	4-Methyl-2-pentanone	ND	4.1	ND	1.0	
10061-02-6	trans-1,3-Dichloropropene	ND	4.1	ND	0.91	
79-00-5	1,1,2-Trichloroethane	ND	4.1	ND	0.76	
108-88-3	Toluene	41	4.1	11	1.1	
591-78-6	2-Hexanone	4.6	4.1	1.1	1.0	
124-48-1	Dibromochloromethane	ND	4.1	ND	0.48	
106-93-4	1,2-Dibromoethane	ND	4.1	ND	0.54	
127-18-4	Tetrachloroethene	ND	4.1	ND	0.61	
108-90-7	Chlorobenzene	ND	4.1	ND	0.90	
100-41-4	Ethylbenzene	10	4.1	2.3	0.95	
179601-23-1	<i>m,p</i> -Xylenes	54	4.1	12	0.95	
75-25-2	Bromoform	ND	4.1	ND	0.40	
100-42-5	Styrene	6.8	4.1	1.6	0.97	
95-47-6	<i>o</i> -Xylene	19	4.1	4.3	0.95	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.1	ND	0.60	
541-73-1	1,3-Dichlorobenzene	ND	4.1	ND	0.69	
106-46-7	1,4-Dichlorobenzene	ND	4.1	ND	0.69	
95-50-1	1,2-Dichlorobenzene	ND	4.1	ND	0.69	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: jm Date: 7/13/07 Page No.: 154

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-46-I-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-021

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5 - 7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	SC00891	Pi 1 =	-4.1
		Pf 1 =	3.7
		Can D.F. =	1.74

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.84	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.68	
74-83-9	Bromomethane	ND	1.7	ND	0.45	
75-00-3	Chloroethane	ND	1.7	ND	0.66	
67-64-1	Acetone	31	8.7	13	3.7	*
75-69-4	Trichlorofluoromethane	960	1.7	170	0.31	
75-35-4	1,1-Dichloroethene	2.2	1.7	0.56	0.44	
75-09-2	Methylene chloride	ND	1.7	ND	0.50	
76-13-1	Trichlorotrifluoroethane	5.1	1.7	0.67	0.23	
75-15-0	Carbon Disulfide	ND	1.7	ND	0.56	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.44	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.43	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.48	
108-05-4	Vinyl Acetate	3.6	1.7	1.0	0.49	
78-93-3	2-Butanone (MEK)	5.0	1.7	1.7	0.59	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.44	
67-66-3	Chloroform	ND	1.7	ND	0.36	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.43	
71-55-6	1,1,1-Trichloroethane	40	1.7	7.4	0.32	
71-43-2	Benzene	63	1.7	20	0.54	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.28	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.38	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

155

Verified By: M Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-46-I-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-021

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5 - 7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	SC00891	Pi 1 =	-4.1
		Pf 1 =	3.7
		Can D.F. =	1.74

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.26	
79-01-6	Trichloroethene	ND	1.7	ND	0.32	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.38	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.42	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.38	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.32	
108-88-3	Toluene	18	1.7	4.7	0.46	
591-78-6	2-Hexanone	2.7	1.7	0.65	0.42	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.23	
127-18-4	Tetrachloroethene	22	1.7	3.2	0.26	
108-90-7	Chlorobenzene	ND	1.7	ND	0.38	
100-41-4	Ethylbenzene	5.7	1.7	1.3	0.40	
179601-23-1	<i>m,p</i> -Xylenes	28	1.7	6.6	0.40	
75-25-2	Bromoform	ND	1.7	ND	0.17	
100-42-5	Styrene	1.8	1.7	0.42	0.41	
95-47-6	<i>o</i> -Xylene	9.9	1.7	2.3	0.40	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.25	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.29	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.29	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.29	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: my

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-46-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-022

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5 - 7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.20 Liter(s)
Container ID:	SC00688	Pi 1 =	-3.9
		Pf 1 =	3.5
		Can D.F. = 1.69	

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.82	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.66	
74-83-9	Bromomethane	ND	1.7	ND	0.44	
75-00-3	Chloroethane	ND	1.7	ND	0.64	
67-64-1	Acetone	20	8.5	8.3	3.6	*
75-69-4	Trichlorofluoromethane	270	1.7	48	0.30	
75-35-4	1,1-Dichloroethene	2.0	1.7	0.50	0.43	
75-09-2	Methylene chloride	ND	1.7	ND	0.49	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	4.1	1.7	1.3	0.54	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.43	
75-34-3	1,1-Dichloroethane	2.0	1.7	0.50	0.42	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.47	
108-05-4	Vinyl Acetate	6.7	1.7	1.9	0.48	
78-93-3	2-Butanone (MEK)	5.6	1.7	1.9	0.57	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.43	
67-66-3	Chloroform	ND	1.7	ND	0.35	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.42	
71-55-6	1,1,1-Trichloroethane	41	1.7	7.5	0.31	
71-43-2	Benzene	85	1.7	27	0.53	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.37	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-46-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-022

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/5 - 7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.20 Liter(s)
Container ID:	SC00688	Pi 1 =	-3.9
		Pf 1 =	3.5
		Can D.F. =	1.69

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	12	1.7	3.3	0.45	
591-78-6	2-Hexanone	2.6	1.7	0.65	0.41	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	11	1.7	1.7	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.37	
100-41-4	Ethylbenzene	5.3	1.7	1.2	0.39	
179601-23-1	<i>m,p</i> -Xylenes	23	1.7	5.3	0.39	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	ND	1.7	ND	0.40	
95-47-6	<i>o</i> -Xylene	7.1	1.7	1.6	0.39	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.25	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-46-D-6-24-07-SC

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-023

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	SC00871	Pi 1 =	-4.7
		Pf 1 =	3.5
		Can D.F. = 1.82	

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.8	ND	0.88	
75-01-4	Vinyl Chloride	ND	1.8	ND	0.71	
74-83-9	Bromomethane	ND	1.8	ND	0.47	
75-00-3	Chloroethane	ND	1.8	ND	0.69	
67-64-1	Acetone	22	9.1	9.5	3.8	*
75-69-4	Trichlorofluoromethane	260	1.8	46	0.32	
75-35-4	1,1-Dichloroethene	3.4	1.8	0.86	0.46	
75-09-2	Methylene chloride	ND	1.8	ND	0.52	
76-13-1	Trichlorotrifluoroethane	2.0	1.8	0.26	0.24	
75-15-0	Carbon Disulfide	ND	1.8	ND	0.58	
156-60-5	trans-1,2-Dichloroethene	ND	1.8	ND	0.46	
75-34-3	1,1-Dichloroethane	1.9	1.8	0.47	0.45	
1634-04-4	Methyl tert-Butyl Ether	ND	1.8	ND	0.51	
108-05-4	Vinyl Acetate	4.8	1.8	1.4	0.52	
78-93-3	2-Butanone (MEK)	3.9	1.8	1.3	0.62	
156-59-2	cis-1,2-Dichloroethene	ND	1.8	ND	0.46	
67-66-3	Chloroform	ND	1.8	ND	0.37	
107-06-2	1,2-Dichloroethane	ND	1.8	ND	0.45	
71-55-6	1,1,1-Trichloroethane	47	1.8	8.6	0.33	
71-43-2	Benzene	82	1.8	26	0.57	
56-23-5	Carbon Tetrachloride	ND	1.8	ND	0.29	
78-87-5	1,2-Dichloropropane	ND	1.8	ND	0.39	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

Verified By: mu

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-46-D-6-24-07-SC

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-023

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			0.10 Liter(s)
Container ID:	SC00871	Pi 1 =	-4.7
		Pf 1 =	3.5
		Can D.F. = 1.82	

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.8	ND	0.27	
79-01-6	Trichloroethene	ND	1.8	ND	0.34	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	ND	0.40	
108-10-1	4-Methyl-2-pentanone	ND	1.8	ND	0.44	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	ND	0.40	
79-00-5	1,1,2-Trichloroethane	ND	1.8	ND	0.33	
108-88-3	Toluene	11	1.8	2.9	0.48	
591-78-6	2-Hexanone	2.7	1.8	0.65	0.44	
124-48-1	Dibromochloromethane	ND	1.8	ND	0.21	
106-93-4	1,2-Dibromoethane	ND	1.8	ND	0.24	
127-18-4	Tetrachloroethene	11	1.8	1.6	0.27	
108-90-7	Chlorobenzene	ND	1.8	ND	0.40	
100-41-4	Ethylbenzene	4.5	1.8	1.0	0.42	
179601-23-1	<i>m,p</i> -Xylenes	20	1.8	4.7	0.42	
75-25-2	Bromoform	ND	1.8	ND	0.18	
100-42-5	Styrene	ND	1.8	ND	0.43	
95-47-6	<i>o</i> -Xylene	6.7	1.8	1.6	0.42	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	ND	0.27	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ND	0.30	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ND	0.30	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ND	0.30	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: JW

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-31-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-024

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date(s) Analyzed:	7/6/07
Analyst:	Simon Cao/Chaney Humphrey	Volume(s) Analyzed:	1.00 Liter(s)
Sampling Media:	Summa Canister		0.10 Liter(s)
Test Notes:		Pi 1 =	-3.1
Container ID:	SC00232	Pf 1 =	3.4
		Can D.F. = 1.56	

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.59	
67-64-1	Acetone	26	7.8	11	3.3	M, *
75-69-4	Trichlorofluoromethane	2.9	1.6	0.52	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.39	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.20	
75-15-0	Carbon Disulfide	23	1.6	7.4	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.43	
108-05-4	Vinyl Acetate	8.2	1.6	2.3	0.44	M
78-93-3	2-Butanone (MEK)	8.9	1.6	3.0	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.39	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	170	1.6	52	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

* = The % RSD for the initial calibration exceeded client specified requirements.

Verified By: WJ Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-31-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-024

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Simon Cao/Chaney Humphrey	Date(s) Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s) 0.10 Liter(s)
Test Notes:		Pi 1 =	-3.1
Container ID:	SC00232	Pf 1 =	3.4
			Can D.F. = 1.56

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	7.6	1.6	1.4	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.34	
108-10-1	4-Methyl-2-pentanone	1.8	1.6	0.43	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	54	1.6	14	0.41	
591-78-6	2-Hexanone	6.4	1.6	1.6	0.38	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	61	1.6	9.0	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	11	1.6	2.5	0.36	
179601-23-1	<i>m,p</i> -Xylenes	55	1.6	13	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	6.1	1.6	1.4	0.37	
95-47-6	<i>o</i> -Xylene	18	1.6	4.2	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: μ Date: 7/13/07 Page No.: 162

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-29-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-025

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00180	Pi 1 =	-3.8

Pf 1 = 3.5

Can D.F. = 1.67

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.81	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.65	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.63	
67-64-1	Acetone	57	8.4	24	3.5	
75-69-4	Trichlorofluoromethane	2.8	1.7	0.50	0.30	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	3.2	1.7	0.41	0.22	
75-15-0	Carbon Disulfide	3.6	1.7	1.2	0.54	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.46	
108-05-4	Vinyl Acetate	15	1.7	4.4	0.47	M, V
78-93-3	2-Butanone (MEK)	5.0	1.7	1.7	0.57	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.42	
67-66-3	Chloroform	ND	1.7	ND	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.31	
71-43-2	Benzene	60	1.7	19	0.52	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.27	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

V = The client required closing continuing calibration verification standard was outside (biased high) the method limits for this compound.

Verified By: mu

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: WDI-VW-29-S-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-025

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:
 Container ID: SC00180

Date Collected: 6/24/07
 Date Received: 6/26/07
 Date(s) Analyzed: 7/5/07
 Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.8 Pf 1 = 3.5
 Can D.F. = 1.67

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	ND	1.7	ND	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.37	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.41	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.37	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.31	
108-88-3	Toluene	44	1.7	12	0.44	
591-78-6	2-Hexanone	2.4	1.7	0.59	0.41	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.20	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.22	
127-18-4	Tetrachloroethene	ND	1.7	ND	0.25	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	9.0	1.7	2.1	0.38	
179601-23-1	<i>m,p</i> -Xylenes	50	1.7	12	0.38	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	5.8	1.7	1.4	0.39	
95-47-6	<i>o</i> -Xylene	17	1.7	4.0	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.28	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.28	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.28	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: PS

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-29-I-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-026

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00150	Pi 1 =	-0.3
		Pf 1 =	3.6
		Can D.F. = 1.27	

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.3	ND	0.62	
75-01-4	Vinyl Chloride	ND	1.3	ND	0.50	
74-83-9	Bromomethane	ND	1.3	ND	0.33	
75-00-3	Chloroethane	ND	1.3	ND	0.48	
67-64-1	Acetone	43	6.4	18	2.7	
75-69-4	Trichlorofluoromethane	3.0	1.3	0.54	0.23	
75-35-4	1,1-Dichloroethene	ND	1.3	ND	0.32	
75-09-2	Methylene chloride	ND	1.3	ND	0.37	
76-13-1	Trichlorotrifluoroethane	31	1.3	4.1	0.17	
75-15-0	Carbon Disulfide	4.5	1.3	1.4	0.41	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	ND	0.32	
75-34-3	1,1-Dichloroethane	ND	1.3	ND	0.31	
1634-04-4	Methyl tert-Butyl Ether	ND	1.3	ND	0.35	
108-05-4	Vinyl Acetate	11	1.3	3.3	0.36	M, V
78-93-3	2-Butanone (MEK)	7.7	1.3	2.6	0.43	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	ND	0.32	
67-66-3	Chloroform	1.4	1.3	0.28	0.26	
107-06-2	1,2-Dichloroethane	ND	1.3	ND	0.31	
71-55-6	1,1,1-Trichloroethane	ND	1.3	ND	0.23	
71-43-2	Benzene	68	1.3	21	0.40	
56-23-5	Carbon Tetrachloride	ND	1.3	ND	0.20	
78-87-5	1,2-Dichloropropane	ND	1.3	ND	0.27	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

V = The client required closing continuing calibration verification standard was outside (biased high) the method limits for this compound.

Verified By: mg

Date: 7/13/07

Page No.: _____

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: WDI-VW-29-I-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P2701887-026

Test Code:	EPA TO-15 Modified	Date Collected: 6/24/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received: 6/26/07
Analyst:	Chaney Humphrey	Date(s) Analyzed: 7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:		
Container ID:	SC00150	

Pi 1 = -0.3 Pf 1 = 3.6
 Can D.F. = 1.27

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.3	ND	0.19	
79-01-6	Trichloroethene	2.2	1.3	0.41	0.24	
10061-01-5	cis-1,3-Dichloropropene	ND	1.3	ND	0.28	
108-10-1	4-Methyl-2-pentanone	6.9	1.3	1.7	0.31	
10061-02-6	trans-1,3-Dichloropropene	ND	1.3	ND	0.28	
79-00-5	1,1,2-Trichloroethane	ND	1.3	ND	0.23	
108-88-3	Toluene	8.9	1.3	2.4	0.34	
591-78-6	2-Hexanone	5.4	1.3	1.3	0.31	
124-48-1	Dibromochloromethane	ND	1.3	ND	0.15	
106-93-4	1,2-Dibromoethane	ND	1.3	ND	0.17	
127-18-4	Tetrachloroethene	31	1.3	4.6	0.19	
108-90-7	Chlorobenzene	ND	1.3	ND	0.28	
100-41-4	Ethylbenzene	2.5	1.3	0.57	0.29	
179601-23-1	<i>m,p</i> -Xylenes	15	1.3	3.4	0.29	
75-25-2	Bromoform	ND	1.3	ND	0.12	
100-42-5	Styrene	2.5	1.3	0.58	0.30	M
95-47-6	<i>o</i> -Xylene	6.0	1.3	1.4	0.29	
79-34-5	1,1,2-Tetrachloroethane	ND	1.3	ND	0.19	
541-73-1	1,3-Dichlorobenzene	ND	1.3	ND	0.21	
106-46-7	1,4-Dichlorobenzene	ND	1.3	ND	0.21	
95-50-1	1,2-Dichlorobenzene	ND	1.3	ND	0.21	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

166

Verified By: W Date: 7/13/07 Page No.: 1

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: WDI-VW-29-D-6-24-07

Client Project ID: WDI

CAS Project ID: P2701887

CAS Sample ID: P2701887-027

Test Code:	EPA TO-15 Modified	Date Collected:	6/24/07
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	6/26/07
Analyst:	Simon Cao	Date(s) Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			
Container ID:	SC00864	Pi 1 =	-3.7
		Pf 1 =	3.5
		Can D.F. =	1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.80	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.65	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	ND	1.7	ND	0.63	
67-64-1	Acetone	22	8.3	9.2	3.5	*
75-69-4	Trichlorofluoromethane	4.1	1.7	0.73	0.29	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	ND	1.7	ND	0.48	
76-13-1	Trichlorotrifluoroethane	47	1.7	6.1	0.22	
75-15-0	Carbon Disulfide	5.2	1.7	1.7	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	ND	1.7	ND	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.46	
108-05-4	Vinyl Acetate	7.6	1.7	2.1	0.47	M
78-93-3	2-Butanone (MEK)	5.4	1.7	1.8	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.42	
67-66-3	Chloroform	7.2	1.7	1.5	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.30	
71-43-2	Benzene	17	1.7	5.4	0.52	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

* = The % RSD for the initial calibration exceeded client specified requirements.

167

Verified By: WS Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: WDI-VW-29-D-6-24-07
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P2701887-027

Test Code: EPA TO-15 Modified Date Collected: 6/24/07
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: 6/26/07
 Analyst: Simon Cao Date(s) Analyzed: 7/6/07
 Sampling Media: Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
 Test Notes:
 Container ID: SC00864

Pi 1 = -3.7

Pf 1 = 3.5

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	2.1	1.7	0.38	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.36	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.36	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.30	
108-88-3	Toluene	13	1.7	3.5	0.44	
591-78-6	2-Hexanone	4.0	1.7	0.98	0.40	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.21	
127-18-4	Tetrachloroethene	65	1.7	9.6	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	4.1	1.7	0.94	0.38	
179601-23-1	<i>m,p</i> -Xylenes	22	1.7	5.1	0.38	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	3.7	1.7	0.86	0.39	M
95-47-6	o-Xylene	8.0	1.7	1.8	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

M = Matrix interference due to coelution with a non-target compound; results may be biased high.

168

Verified By: W Date: 7/13/07 Page No.: 2

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070703-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: M

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070703-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070703-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date(s) Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	*, V
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

Verified By: mu Date: 7/12/07 Page No.: 171

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070703-MB

Test Code: EPA TO-15 Modified Date Collected: NA
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
 Analyst: Simon Cao Date(s) Analyzed: 7/3/07
 Sampling Media: Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
 Test Notes:

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	V
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The client required closing continuing calibration verification standard was outside (biased low) the method limits for this compound.

172

Verified By: W Date: 7/13/07 Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070705-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: w

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070705-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: W

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070705-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	*
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

Verified By: W Date: 7/13/07 Page No.: 175

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070705-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date(s) Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: MS

Date: 7/13/07

Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070706-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date(s) Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: my Date: 7/13/07 Page No.: 177

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070706-MB

Test Code: EPA TO-15 Modified Date Collected: NA
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2 Date Received: NA
 Analyst: Chaney Humphrey Date(s) Analyzed: 7/6/07
 Sampling Media: Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
 Test Notes:

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

178

Verified By: w Date: 7/13/07 Page No.: 2

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070706-MB

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date(s) Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	1.00 Liter(s)
Test Notes:			

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	*
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	1.0	ND	0.28	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

* = The % RSD for the initial calibration exceeded client specified requirements.

179

Verified By: ms Date: 7/13/07 Page No.: 1

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Sample ID: Method Blank
Client Project ID: WDI

CAS Project ID: P2701887
 CAS Sample ID: P070706-MB

Test Code: EPA TO-15 Modified Date Collected: NA
 Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8 Date Received: NA
 Analyst: Simon Cao Date(s) Analyzed: 7/6/07
 Sampling Media: Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
 Test Notes:

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: pw

Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC
Client Project ID: WDI

CAS Project ID: P2701887

Surrogate Spike Recovery Results

Test Code:	EPA TO-15 Modified	Date Collected:	6/23 - 6/24/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Analyzed:	7/3 - 7/6/07
Analyst:	Simon Cao/Chaney Humphrey		
Sampling Media:	Summa Canister(s)		
Test Notes:			

Client Sample ID	CAS Sample ID	1,2-Dichloroethane-d4		Toluene-d8		Bromofluorobenzene		Data Qualifier
		% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	
Method Blank	P070703-MB	99	80-120	97	80-120	111	80-120	
Method Blank	P070703-MB	95	80-120	100	80-120	105	80-120	
Method Blank	P070705-MB	98	80-120	95	80-120	113	80-120	
Method Blank	P070705-MB	88	80-120	99	80-120	108	80-120	
Method Blank	P070706-MB	97	80-120	101	80-120	110	80-120	
Method Blank	P070706-MB	93	80-120	98	80-120	107	80-120	
Lab Control Sample	P070703-LCS	105	80-120	96	80-120	112	80-120	
Lab Control Sample	P070703-LCS	102	80-120	99	80-120	107	80-120	
Lab Control Sample	P070705-LCS	103	80-120	93	80-120	113	80-120	
Lab Control Sample	P070705-LCS	92	80-120	100	80-120	108	80-120	
Lab Control Sample	P070706-LCS	102	80-120	100	80-120	113	80-120	
Lab Control Sample	P070706-LCS	98	80-120	99	80-120	108	80-120	
Duplicate Lab Control Sample	P070703-DLCS	105	80-120	96	80-120	112	80-120	
Duplicate Lab Control Sample	P070703-DLCS	97	80-120	99	80-120	106	80-120	
Duplicate Lab Control Sample	P070705-DLCS	102	80-120	94	80-120	115	80-120	
Duplicate Lab Control Sample	P070705-DLCS	92	80-120	100	80-120	107	80-120	
Duplicate Lab Control Sample	P070706-DLCS	101	80-120	99	80-120	112	80-120	
Duplicate Lab Control Sample	P070706-DLCS	97	80-120	99	80-120	109	80-120	
WDI-VW-39-S-6-23-07	P2701887-001	99	80-120	95	80-120	112	80-120	
WDI-VW-39-D-6-23-07	P2701887-002	99	80-120	96	80-120	113	80-120	
WDI-VW-39-D-6-23-07	P2701887-002DUP	98	80-120	95	80-120	112	80-120	
WDI-VW-38-S-6-23-07	P2701887-003	97	80-120	98	80-120	110	80-120	
WDI-VW-38-D-6-23-07	P2701887-004	98	80-120	92	80-120	112	80-120	
WDI-VW-37-S-6-23-07	P2701887-005	98	80-120	95	80-120	112	80-120	

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC
Client Project ID: WDI

CAS Project ID: P2701887

Surrogate Spike Recovery Results

Test Code:	EPA TO-15 Modified	Date Collected:	6/23 - 6/24/07
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	6/26/07
	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Analyzed:	7/3 - 7/6/07
Analyst:	Simon Cao/Chaney Humphrey		
Sampling Media:	Summa Canister(s)		
Test Notes:			

Client Sample ID	CAS Sample ID	1,2-Dichloroethane-d4		Toluene-d8		Bromofluorobenzene		Data Qualifier
		% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	
WDI-VW-37-D-6-23-07	P2701887-006	99	80-120	95	80-120	112	80-120	
WDI-VW-56-S-6-23-07	P2701887-007	100	80-120	96	80-120	111	80-120	
WDI-VW-56-S-6-23-07-SC	P2701887-008	97	80-120	94	80-120	115	80-120	
WDI-VW-56-I-6-23-07	P2701887-009	97	80-120	93	80-120	115	80-120	
WDI-VW-56-D-6-23-07	P2701887-010	97	80-120	94	80-120	115	80-120	
WDI-VW-42-S-6-24-07	P2701887-011	97	80-120	99	80-120	106	80-120	
WDI-VW-42-S-6-24-07	P2701887-011DUP	90	80-120	99	80-120	110	80-120	
WDI-VW-42-D-6-24-07	P2701887-012	93	80-120	99	80-120	108	80-120	
WDI-VW-55-S-6-24-07	P2701887-013	96	80-120	84	80-120	92	80-120	
WDI-VW-55-I-6-24-07	P2701887-014	94	80-120	93	80-120	100	80-120	
WDI-VW-55-D-6-24-07	P2701887-015	89	80-120	98	80-120	106	80-120	
WDI-VW-61-S-6-24-07	P2701887-016	89	80-120	100	80-120	108	80-120	
WDI-VW-61-I-6-24-07	P2701887-017	89	80-120	100	80-120	107	80-120	
WDI-VW-61-D-6-24-07	P2701887-018	89	80-120	99	80-120	109	80-120	
WDI-VW-61-D-6-24-07	P2701887-018DUP	88	80-120	100	80-120	110	80-120	
WDI-VW-31-S-6-24-07	P2701887-019	87	80-120	99	80-120	109	80-120	
WDI-VW-46-S-6-24-07	P2701887-020	97	80-120	96	80-120	108	80-120	
WDI-VW-46-I-6-24-07	P2701887-021	89	80-120	100	80-120	111	80-120	
WDI-VW-46-D-6-24-07	P2701887-022	90	80-120	99	80-120	109	80-120	
WDI-VW-46-D-6-24-07-SC	P2701887-023	92	80-120	98	80-120	109	80-120	
WDI-VW-31-D-6-24-07	P2701887-024	92	80-120	96	80-120	109	80-120	
WDI-VW-29-S-6-24-07	P2701887-025	99	80-120	90	80-120	114	80-120	
WDI-VW-29-I-6-24-07	P2701887-026	97	80-120	93	80-120	114	80-120	
WDI-VW-29-D-6-24-07	P2701887-027	92	80-120	97	80-120	110	80-120	

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070703-LCS,

P070703-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Chloromethane	24.3	18.6	19.6	77	81	65-135	5	35	
Vinyl Chloride	24.8	22.1	20.8	89	84	65-135	6	35	
Bromomethane	25.0	24.3	25.1	97	100	65-135	3	35	
Chloroethane	25.0	22.0	22.3	88	89	65-135	1	35	
Acetone	26.5	19.5	19.9	74	75	65-135	1	35	
Trichlorofluoromethane	24.3	25.1	26.0	103	107	65-135	4	35	
1,1-Dichloroethene	27.3	25.5	26.2	93	96	65-135	3	35	
Methylene chloride	26.8	23.9	24.6	89	92	65-135	3	35	
Trichlorotrifluoroethane	27.0	27.6	28.5	102	106	65-135	4	35	
Carbon Disulfide	25.0	21.7	22.2	87	89	65-135	2	35	
trans-1,2-Dichloroethene	26.3	25.1	25.9	95	98	65-135	3	35	
1,1-Dichloroethane	26.3	24.4	25.1	93	95	65-135	2	35	
Methyl tert-Butyl Ether	26.3	26.3	27.2	100	103	65-135	3	35	
Vinyl Acetate	24.3	24.3	25.8	100	106	65-135	6	35	
2-Butanone (MEK)	26.8	23.4	24.1	87	90	65-135	3	35	
cis-1,2-Dichloroethene	26.5	24.7	25.5	93	96	65-135	3	35	
Chloroform	30.0	27.7	28.8	92	96	65-135	4	35	
1,2-Dichloroethane	26.0	28.0	28.7	108	110	65-135	2	35	
1,1,1-Trichloroethane	26.3	28.1	29.0	107	110	65-135	3	35	
Benzene	26.3	23.3	23.8	89	90	65-135	1	35	
Carbon Tetrachloride	25.8	26.2	26.7	102	103	65-135	1	35	
1,2-Dichloropropane	26.0	22.6	22.9	87	88	65-135	1	35	

183

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070703-LCS,
P070703-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Bromodichloromethane	27.5	28.3	29.1	103	106	65-135	3	35	
Trichloroethene	27.3	27.6	28.2	101	103	65-135	2	35	
cis-1,3-Dichloropropene	26.0	23.9	24.5	92	94	65-135	2	35	
4-Methyl-2-pentanone	26.5	23.4	23.9	88	90	65-135	2	35	
trans-1,3-Dichloropropene	27.8	27.5	28.3	99	102	65-135	3	35	
1,1,2-Trichloroethane	25.8	24.5	25.2	95	98	65-135	3	35	
Toluene	26.0	23.5	24.0	90	92	65-135	2	35	
2-Hexanone	26.0	20.9	21.5	80	83	65-135	4	35	
Dibromochloromethane	26.5	26.8	27.5	101	104	65-135	3	35	
1,2-Dibromoethane	26.0	24.5	25.1	94	97	65-135	3	35	
Tetrachloroethene	25.8	25.5	26.1	99	101	65-135	2	35	
Chlorobenzene	26.0	24.2	24.6	93	95	65-135	2	35	
Ethylbenzene	25.8	23.7	24.3	92	94	65-135	2	35	
m,p-Xylenes	61.5	58.6	60.1	95	98	65-135	3	35	
Bromoform	31.3	31.2	32.4	100	104	65-135	4	35	
Styrene	25.8	23.9	24.5	93	95	65-135	2	35	
o-Xylene	29.0	27.1	27.9	93	96	65-135	3	35	
1,1,2,2-Tetrachloroethane	29.3	25.6	26.2	87	89	65-135	2	35	
1,3-Dichlorobenzene	25.3	24.3	25.1	96	99	65-135	3	35	
1,4-Dichlorobenzene	26.0	24.9	25.7	96	99	65-135	3	35	
1,2-Dichlorobenzene	25.5	24.7	25.4	97	100	65-135	3	35	

Verified By: mu

Date: 7/13/07

184

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070703-LCS,
P070703-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Chloromethane	24.3	30.5	27.5	126	113	65-135	11	35	
Vinyl Chloride	24.8	33.1	31.6	133	127	65-135	5	35	
Bromomethane	25.0	29.1	29.2	116	117	65-135	0.9	35	
Chloroethane	25.0	31.5	30.5	126	122	65-135	3	35	
Acetone	26.5	24.8	23.6	94	89	65-135	5	35	
Trichlorofluoromethane	24.3	26.5	26.0	109	107	65-135	2	35	
1,1-Dichloroethene	27.3	29.6	28.9	108	106	65-135	2	35	
Methylene chloride	26.8	27.3	26.5	102	99	65-135	3	35	
Trichlorotrifluoroethane	27.0	28.8	28.6	107	106	65-135	0.9	35	
Carbon Disulfide	25.0	25.1	24.4	100	98	65-135	2	35	
trans-1,2-Dichloroethene	26.3	30.1	28.9	114	110	65-135	4	35	
1,1-Dichloroethane	26.3	30.1	29.0	114	110	65-135	4	35	
Methyl tert-Butyl Ether	26.3	28.0	27.2	106	103	65-135	3	35	
Vinyl Acetate	24.3	23.0	22.6	95	93	65-135	2	35	
2-Butanone (MEK)	26.8	26.0	25.0	97	93	65-135	4	35	
cis-1,2-Dichloroethene	26.5	30.7	29.3	116	111	65-135	4	35	
Chloroform	30.0	31.8	31.1	106	104	65-135	2	35	
1,2-Dichloroethane	26.0	29.9	28.5	115	110	65-135	4	35	
1,1,1-Trichloroethane	26.3	29.3	29.5	111	112	65-135	0.9	35	
Benzene	26.3	28.8	28.3	110	108	65-135	2	35	
Carbon Tetrachloride	25.8	29.3	29.7	114	115	65-135	0.9	35	
1,2-Dichloropropane	26.0	31.5	30.9	121	119	65-135	2	35	

185

Verified By: mu Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070703-LCS,
P070703-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date Analyzed:	7/3/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Bromodichloromethane	27.5	31.2	31.0	113	113	65-135	0	35	
Trichloroethene	27.3	30.7	30.7	112	112	65-135	0	35	
cis-1,3-Dichloropropene	26.0	28.0	27.7	108	107	65-135	0.9	35	
4-Methyl-2-pentanone	26.5	28.5	27.5	108	104	65-135	4	35	
trans-1,3-Dichloropropene	27.8	31.2	31.0	112	112	65-135	0	35	
1,1,2-Trichloroethane	25.8	29.5	29.1	114	113	65-135	0.9	35	
Toluene	26.0	28.4	28.4	109	109	65-135	0	35	
2-Hexanone	26.0	23.0	21.8	88	84	65-135	5	35	
Dibromochloromethane	26.5	30.4	30.5	115	115	65-135	0	35	
1,2-Dibromoethane	26.0	28.5	28.6	110	110	65-135	0	35	
Tetrachloroethene	25.8	28.8	29.0	112	112	65-135	0	35	
Chlorobenzene	26.0	28.3	28.6	109	110	65-135	0.9	35	
Ethylbenzene	25.8	28.5	28.5	110	110	65-135	0	35	
m,p-Xylenes	61.5	68.7	68.5	112	111	65-135	0.9	35	
Bromoform	31.3	35.6	35.8	114	114	65-135	0	35	
Styrene	25.8	27.6	27.5	107	107	65-135	0	35	
o-Xylene	29.0	32.3	32.0	111	110	65-135	0.9	35	
1,1,2,2-Tetrachloroethane	29.3	33.5	32.8	114	112	65-135	2	35	
1,3-Dichlorobenzene	25.3	29.0	28.5	115	113	65-135	2	35	
1,4-Dichlorobenzene	26.0	30.0	29.5	115	113	65-135	2	35	
1,2-Dichlorobenzene	25.5	29.9	29.0	117	114	65-135	3	35	

Verified By: mu S Date: 7/13/07

186

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070705-LCS,
P070705-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Chloromethane	24.3	20.4	20.1	84	83	65-135	1	35	
Vinyl Chloride	24.8	25.5	23.1	103	93	65-135	10	35	
Bromomethane	25.0	26.6	26.2	106	105	65-135	0.9	35	
Chloroethane	25.0	23.7	23.3	95	93	65-135	2	35	
Acetone	26.5	20.8	20.6	78	78	65-135	0	35	
Trichlorofluoromethane	24.3	26.8	25.9	110	107	65-135	3	35	
1,1-Dichloroethene	27.3	27.6	27.3	101	100	65-135	1	35	
Methylene chloride	26.8	25.9	25.7	97	96	65-135	1	35	
Trichlorotrifluoroethane	27.0	29.7	29.3	110	109	65-135	0.9	35	
Carbon Disulfide	25.0	23.5	23.3	94	93	65-135	1	35	
trans-1,2-Dichloroethene	26.3	27.2	26.9	103	102	65-135	1	35	
1,1-Dichloroethane	26.3	26.2	25.4	100	97	65-135	3	35	
Methyl tert-Butyl Ether	26.3	28.5	28.1	108	107	65-135	0.9	35	
Vinyl Acetate	24.3	27.3	26.0	112	107	65-135	5	35	
2-Butanone (MEK)	26.8	25.4	24.9	95	93	65-135	2	35	
cis-1,2-Dichloroethene	26.5	26.7	26.2	101	99	65-135	2	35	
Chloroform	30.0	29.9	29.0	100	97	65-135	3	35	
1,2-Dichloroethane	26.0	29.9	28.9	115	111	65-135	4	35	
1,1,1-Trichloroethane	26.3	29.9	29.7	114	113	65-135	0.9	35	
Benzene	26.3	25.0	24.8	95	94	65-135	1	35	
Carbon Tetrachloride	25.8	26.8	26.1	104	101	65-135	3	35	
1,2-Dichloropropane	26.0	24.2	24.0	93	92	65-135	1	35	

187
Verified By: m Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070705-LCS,
P070705-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Bromodichloromethane	27.5	30.2	29.9	110	109	65-135	0.9	35	
Trichloroethene	27.3	29.5	29.2	108	107	65-135	0.9	35	
cis-1,3-Dichloropropene	26.0	25.8	25.6	99	98	65-135	1	35	
4-Methyl-2-pentanone	26.5	25.0	25.0	94	94	65-135	0	35	
trans-1,3-Dichloropropene	27.8	29.5	29.3	106	105	65-135	0.9	35	
1,1,2-Trichloroethane	25.8	26.4	26.3	102	102	65-135	0	35	
Toluene	26.0	24.4	24.5	94	94	65-135	0	35	
2-Hexanone	26.0	21.6	21.7	83	83	65-135	0	35	
Dibromochloromethane	26.5	27.8	27.8	105	105	65-135	0	35	
1,2-Dibromoethane	26.0	25.4	25.5	98	98	65-135	0	35	
Tetrachloroethene	25.8	26.2	26.3	102	102	65-135	0	35	
Chlorobenzene	26.0	24.9	25.0	96	96	65-135	0	35	
Ethylbenzene	25.8	24.2	24.7	94	96	65-135	2	35	
m,p-Xylenes	61.5	60.7	60.9	99	99	65-135	0	35	
Bromoform	31.3	32.4	32.4	104	104	65-135	0	35	
Styrene	25.8	24.8	24.9	96	97	65-135	1	35	
o-Xylene	29.0	28.1	28.2	97	97	65-135	0	35	
1,1,2,2-Tetrachloroethane	29.3	26.8	26.9	91	92	65-135	1	35	
1,3-Dichlorobenzene	25.3	25.5	25.4	101	100	65-135	1	35	
1,4-Dichlorobenzene	26.0	26.1	26.2	100	101	65-135	1	35	
1,2-Dichlorobenzene	25.5	26.0	26.0	102	102	65-135	0	35	

Verified By: MJ Date: 7/13/07

188

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070705-LCS,
P070705-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Chloromethane	24.3	23.5	24.2	97	100	65-135	3	35	
Vinyl Chloride	24.8	24.2	24.9	98	100	65-135	2	35	
Bromomethane	25.0	25.4	24.9	102	100	65-135	2	35	
Chloroethane	25.0	24.2	24.1	97	96	65-135	1	35	
Acetone	26.5	23.4	23.7	88	89	65-135	1	35	
Trichlorofluoromethane	24.3	26.1	26.3	107	108	65-135	0.9	35	
1,1-Dichloroethene	27.3	28.8	29.4	105	108	65-135	3	35	
Methylene chloride	26.8	26.3	26.7	98	100	65-135	2	35	
Trichlorotrifluoroethane	27.0	29.7	29.5	110	109	65-135	0.9	35	
Carbon Disulfide	25.0	23.8	24.4	95	98	65-135	3	35	
trans-1,2-Dichloroethene	26.3	27.2	27.7	103	105	65-135	2	35	
1,1-Dichloroethane	26.3	27.3	27.8	104	106	65-135	2	35	
Methyl tert-Butyl Ether	26.3	26.5	27.0	101	103	65-135	2	35	
Vinyl Acetate	24.3	23.7	22.7	98	93	65-135	5	35	
2-Butanone (MEK)	26.8	23.9	24.9	89	93	65-135	4	35	
cis-1,2-Dichloroethene	26.5	27.5	27.8	104	105	65-135	1	35	
Chloroform	30.0	30.0	30.4	100	101	65-135	1	35	
1,2-Dichloroethane	26.0	26.1	26.4	100	102	65-135	2	35	
1,1,1-Trichloroethane	26.3	28.9	29.1	110	111	65-135	0.9	35	
Benzene	26.3	27.1	27.6	103	105	65-135	2	35	
Carbon Tetrachloride	25.8	29.1	29.0	113	112	65-135	0.9	35	
1,2-Dichloropropane	26.0	28.6	29.0	110	112	65-135	2	35	

Verified By: mv Date: 7/13/07

189

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070705-LCS,
P070705-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date Analyzed:	7/5/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Bromodichloromethane	27.5	29.6	29.9	108	109	65-135	0.9	35	
Trichloroethene	27.3	30.2	30.7	111	112	65-135	0.9	35	
cis-1,3-Dichloropropene	26.0	26.3	26.7	101	103	65-135	2	35	
4-Methyl-2-pentanone	26.5	24.3	24.9	92	94	65-135	2	35	
trans-1,3-Dichloropropene	27.8	29.5	29.9	106	108	65-135	2	35	
1,1,2-Trichloroethane	25.8	28.3	28.7	110	111	65-135	0.9	35	
Toluene	26.0	27.9	28.2	107	108	65-135	0.9	35	
2-Hexanone	26.0	18.4	19.0	71	73	65-135	3	35	
Dibromochloromethane	26.5	30.6	30.3	115	114	65-135	0.9	35	
1,2-Dibromoethane	26.0	28.8	28.8	111	111	65-135	0	35	
Tetrachloroethene	25.8	29.4	29.3	114	114	65-135	0	35	
Chlorobenzene	26.0	28.5	28.6	110	110	65-135	0	35	
Ethylbenzene	25.8	27.8	27.9	108	108	65-135	0	35	
m,p-Xylenes	61.5	66.9	67.5	109	110	65-135	0.9	35	
Bromoform	31.3	36.5	35.8	117	114	65-135	3	35	
Styrene	25.8	26.9	27.0	104	105	65-135	1	35	
o-Xylene	29.0	31.4	31.3	108	108	65-135	0	35	
1,1,2,2-Tetrachloroethane	29.3	31.7	31.8	108	109	65-135	0.9	35	
1,3-Dichlorobenzene	25.3	28.1	27.4	111	108	65-135	3	35	
1,4-Dichlorobenzene	26.0	28.9	28.8	111	111	65-135	0	35	
1,2-Dichlorobenzene	25.5	28.0	27.9	110	109	65-135	0.9	35	

Verified By: rw Date: 7/13/07 **190**

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070706-LCS,
P070706-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/HP5972/HP5890 II+/MS2	Date Received:	NA
Analyst:	Chaney Humphrey	Date Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Chloromethane	24.3	19.4	20.4	80	84	65-135	5	35	
Vinyl Chloride	24.8	27.4	28.2	110	114	65-135	4	35	
Bromomethane	25.0	26.2	26.7	105	107	65-135	2	35	
Chloroethane	25.0	23.0	23.5	92	94	65-135	2	35	
Acetone	26.5	20.6	20.7	78	78	65-135	0	35	
Trichlorofluoromethane	24.3	26.9	27.5	111	113	65-135	2	35	
1,1-Dichloroethene	27.3	27.1	27.4	99	100	65-135	1	35	
Methylene chloride	26.8	25.3	25.3	94	94	65-135	0	35	
Trichlorotrifluoroethane	27.0	28.6	28.8	106	107	65-135	0.9	35	
Carbon Disulfide	25.0	22.7	23.0	91	92	65-135	1	35	
trans-1,2-Dichloroethene	26.3	26.2	26.5	100	101	65-135	1	35	
1,1-Dichloroethane	26.3	26.1	26.9	99	102	65-135	3	35	
Methyl tert-Butyl Ether	26.3	27.4	27.8	104	106	65-135	2	35	
Vinyl Acetate	24.3	29.6	31.1	122	128	65-135	5	35	
2-Butanone (MEK)	26.8	24.4	24.6	91	92	65-135	1	35	
cis-1,2-Dichloroethene	26.5	25.7	25.9	97	98	65-135	1	35	
Chloroform	30.0	29.2	30.2	97	101	65-135	4	35	
1,2-Dichloroethane	26.0	28.3	28.4	109	109	65-135	0	35	
1,1,1-Trichloroethane	26.3	29.1	29.1	111	111	65-135	0	35	
Benzene	26.3	24.7	24.9	94	95	65-135	1	35	
Carbon Tetrachloride	25.8	29.1	29.1	113	113	65-135	0	35	
1,2-Dichloropropane	26.0	23.9	23.9	92	92	65-135	0	35	

191

Verified By: m Date: 7/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070706-LCS,

P070706-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister
 Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 7/6/07
 Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Bromodichloromethane	27.5	29.3	29.5	107	107	65-135	0	35	
Trichloroethene	27.3	29.0	29.3	106	107	65-135	0.9	35	
cis-1,3-Dichloropropene	26.0	25.4	25.5	98	98	65-135	0	35	
4-Methyl-2-pentanone	26.5	24.9	24.9	94	94	65-135	0	35	
trans-1,3-Dichloropropene	27.8	28.4	28.7	102	103	65-135	1	35	
1,1,2-Trichloroethane	25.8	26.2	26.2	102	102	65-135	0	35	
Toluene	26.0	26.7	26.8	103	103	65-135	0	35	
2-Hexanone	26.0	23.0	23.1	88	89	65-135	1	35	
Dibromochloromethane	26.5	29.7	29.7	112	112	65-135	0	35	
1,2-Dibromoethane	26.0	27.1	27.1	104	104	65-135	0	35	
Tetrachloroethene	25.8	28.6	28.7	111	111	65-135	0	35	
Chlorobenzene	26.0	27.2	27.4	105	105	65-135	0	35	
Ethylbenzene	25.8	26.8	26.8	104	104	65-135	0	35	
m,p-Xylenes	61.5	66.7	66.7	108	108	65-135	0	35	
Bromoform	31.3	34.9	34.9	112	112	65-135	0	35	
Styrene	25.8	26.9	27.0	104	105	65-135	1	35	
o-Xylene	29.0	30.8	31.1	106	107	65-135	0.9	35	
1,1,2,2-Tetrachloroethane	29.3	29.2	29.4	100	100	65-135	0	35	
1,3-Dichlorobenzene	25.3	28.0	28.4	111	112	65-135	0.9	35	
1,4-Dichlorobenzene	26.0	29.0	29.1	112	112	65-135	0	35	
1,2-Dichlorobenzene	25.5	29.0	29.3	114	115	65-135	0.9	35	

Verified By: my

Date: 7/13/07

192

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070706-LCS,

P070706-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Chloromethane	24.3	28.7	26.4	118	109	65-135	8	35	
Vinyl Chloride	24.8	32.4	31.3	131	126	65-135	4	35	
Bromomethane	25.0	29.9	30.3	120	121	65-135	0.8	35	
Chloroethane	25.0	31.1	30.8	124	123	65-135	0.8	35	
Acetone	26.5	24.7	24.7	93	93	65-135	0	35	
Trichlorofluoromethane	24.3	27.1	27.2	112	112	65-135	0	35	
1,1-Dichloroethene	27.3	30.1	29.9	110	110	65-135	0	35	
Methylene chloride	26.8	27.4	27.6	102	103	65-135	1	35	
Trichlorotrifluoroethane	27.0	30.0	30.0	111	111	65-135	0	35	
Carbon Disulfide	25.0	25.3	25.0	101	100	65-135	1	35	
trans-1,2-Dichloroethene	26.3	30.1	29.2	114	111	65-135	3	35	
1,1-Dichloroethane	26.3	29.6	29.1	113	111	65-135	2	35	
Methyl tert-Butyl Ether	26.3	28.3	27.9	108	106	65-135	2	35	
Vinyl Acetate	24.3	22.5	22.3	93	92	65-135	1	35	
2-Butanone (MEK)	26.8	25.9	25.1	97	94	65-135	3	35	
cis-1,2-Dichloroethene	26.5	30.5	29.7	115	112	65-135	3	35	
Chloroform	30.0	32.1	31.8	107	106	65-135	0.9	35	
1,2-Dichloroethane	26.0	29.4	28.8	113	111	65-135	2	35	
1,1,1-Trichloroethane	26.3	30.4	30.3	116	115	65-135	0.9	35	
Benzene	26.3	29.1	28.5	111	108	65-135	3	35	
Carbon Tetrachloride	25.8	30.2	30.3	117	117	65-135	0	35	
1,2-Dichloropropane	26.0	31.4	30.8	121	118	65-135	3	35	

Verified By: W Date: 7/13/07 193

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 2 of 2

Client: TRC

Client Sample ID: Duplicate Lab Control Sample

Client Project ID : WDI

CAS Project ID: P2701887

CAS Sample ID: P070706-LCS,

P070706-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code:	EPA TO-15 Modified	Date Collected:	NA
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Received:	NA
Analyst:	Simon Cao	Date Analyzed:	7/6/07
Sampling Media:	Summa Canister	Volume(s) Analyzed:	NA
Test Notes:			

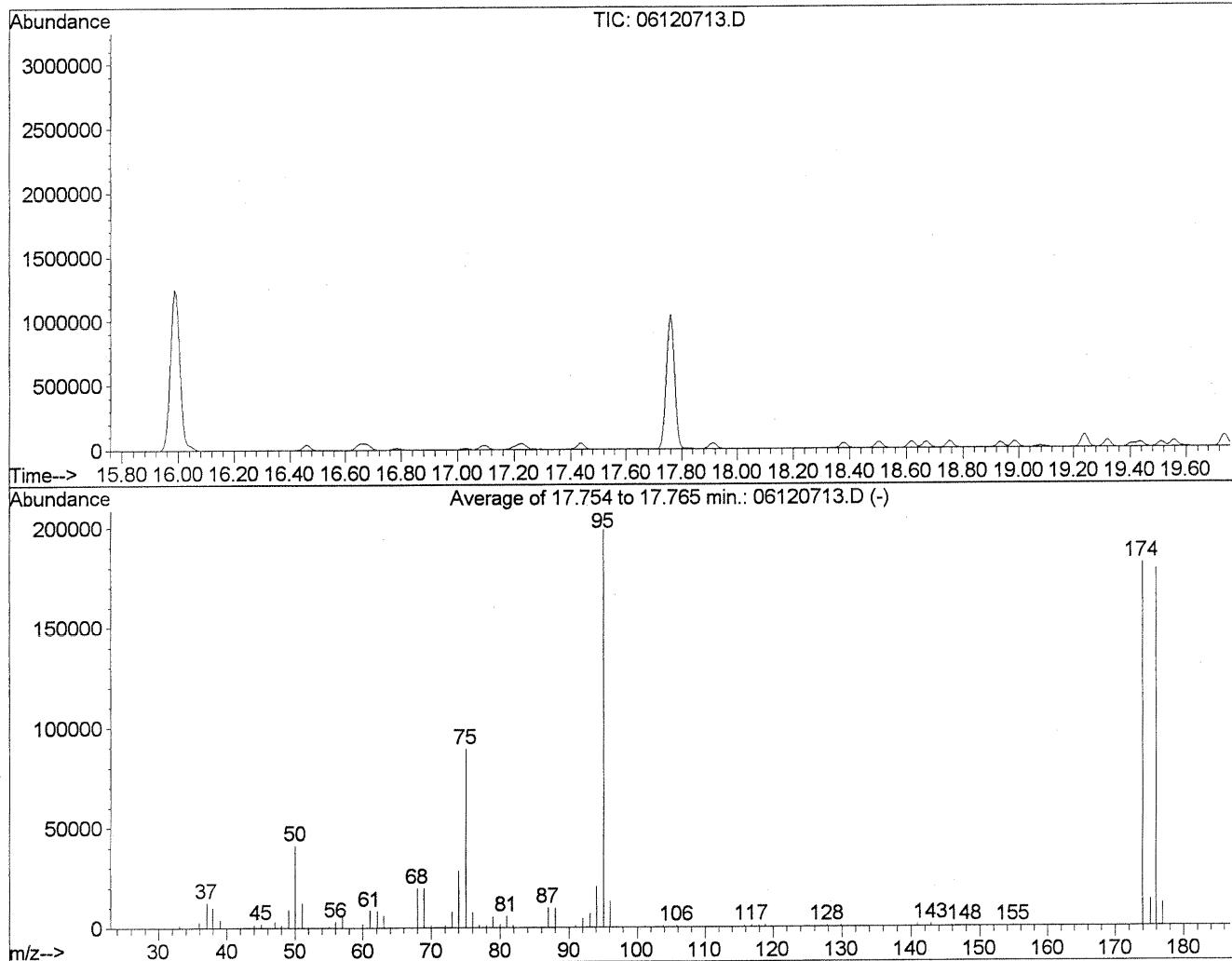
Compound	Spike Amt LCS/DLCS ng	Result		% Recovery		Acceptance Limits	RPD	RPD Limit %	Data Qualifier
		LCS ng	DLCS ng	LCS	DLCS				
Bromodichloromethane	27.5	31.9	31.4	116	114	65-135	2	35	
Trichloroethene	27.3	31.3	31.6	115	116	65-135	0.9	35	
cis-1,3-Dichloropropene	26.0	28.3	27.8	109	107	65-135	2	35	
4-Methyl-2-pentanone	26.5	27.4	26.3	103	99	65-135	4	35	
trans-1,3-Dichloropropene	27.8	31.5	31.3	113	113	65-135	0	35	
1,1,2-Trichloroethane	25.8	30.2	29.5	117	114	65-135	3	35	
Toluene	26.0	29.0	28.7	112	110	65-135	2	35	
2-Hexanone	26.0	21.3	20.4	82	78	65-135	5	35	
Dibromochloromethane	26.5	31.2	30.9	118	117	65-135	0.9	35	
1,2-Dibromoethane	26.0	29.4	29.1	113	112	65-135	0.9	35	
Tetrachloroethene	25.8	30.0	29.7	116	115	65-135	0.9	35	
Chlorobenzene	26.0	29.2	28.9	112	111	65-135	0.9	35	
Ethylbenzene	25.8	28.8	28.4	112	110	65-135	2	35	
m,p-Xylenes	61.5	69.5	68.7	113	112	65-135	0.9	35	
Bromoform	31.3	36.7	36.9	117	118	65-135	0.9	35	
Styrene	25.8	27.4	27.4	106	106	65-135	0	35	
o-Xylene	29.0	32.6	32.2	112	111	65-135	0.9	35	
1,1,2,2-Tetrachloroethane	29.3	33.5	32.7	114	112	65-135	2	35	
1,3-Dichlorobenzene	25.3	29.3	28.7	116	113	65-135	3	35	
1,4-Dichlorobenzene	26.0	30.2	29.8	116	115	65-135	0.9	35	
1,2-Dichlorobenzene	25.5	29.6	29.3	116	115	65-135	0.9	35	

Verified By: MW Date: 7/13/07 194

BFB

Data File : J:\MS02\DATA\2007_06\12\06120713.D
 Acq On : 12 Jun 2007 19:26
 Sample : 0.5ng TO-15 ICAL Std
 Misc : S15-05250705/S15-05250703
 MS Integration Params: rteint.p
 Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD

Vial: 1
 Operator: CJP/ST
 Inst : MS 02
 Multiplr: 1.00



AutoFind: Scans 2491, 2492, 2493; Background Corrected with Scan 2481

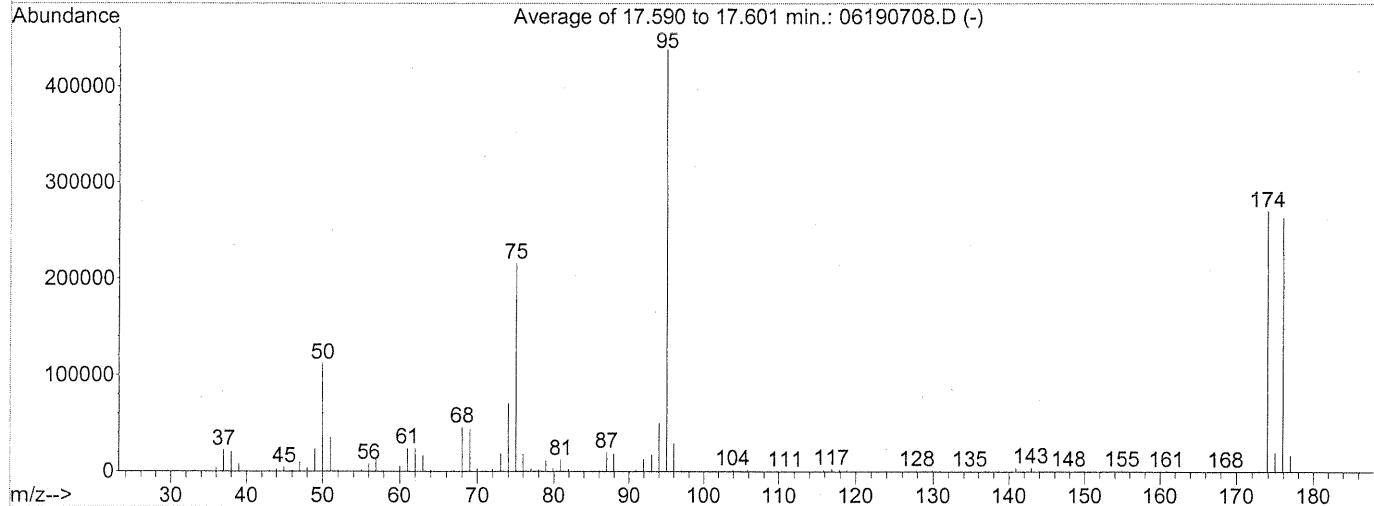
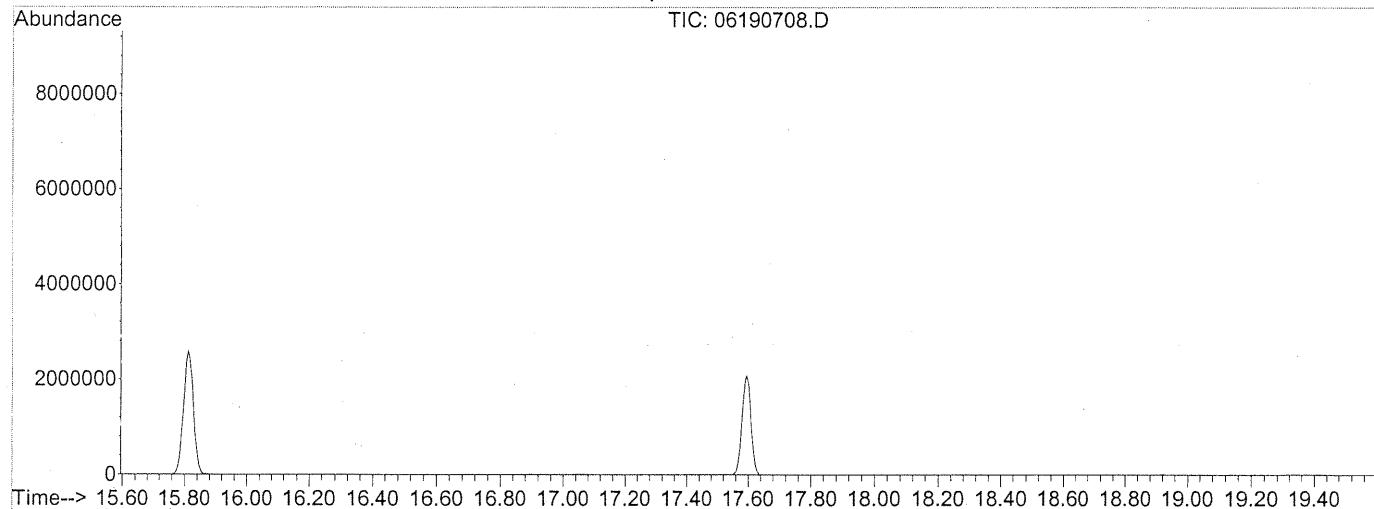
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.8	41312	PASS
75	95	30	66	44.9	89307	PASS
96	95	5	9	6.5	12977	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.2	181525	PASS
175	174	4	9	7.4	13362	PASS
176	174	93	101	98.1	178027	PASS
177	176	5	9	6.4	11399	PASS

Data Path : J:\MS08\Data\2007_06\19\
 Data File : 06190708.D
 Acq On : 19 Jun 2007 19:06
 Operator : SC
 Sample : 25ng BFB STD
 Misc : S15-06190701
 ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

TICa

Method : J:\MS08\METHODS\R8061907.M
 Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 Last Update : Fri Jun 08 09:59:48 2007



AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.4	111370	PASS
75	95	30	66	49.2	215744	PASS
95	95	100	100	100.0	438122	PASS
96	95	5	9	6.7	29237	PASS
173	174	0.00	2	0.3	679	PASS
174	95	50	120	61.8	270634	PASS
175	174	4	9	7.2	19493	PASS
176	174	93	101	97.5	263850	PASS
177	176	5	9	6.4	16979	PASS

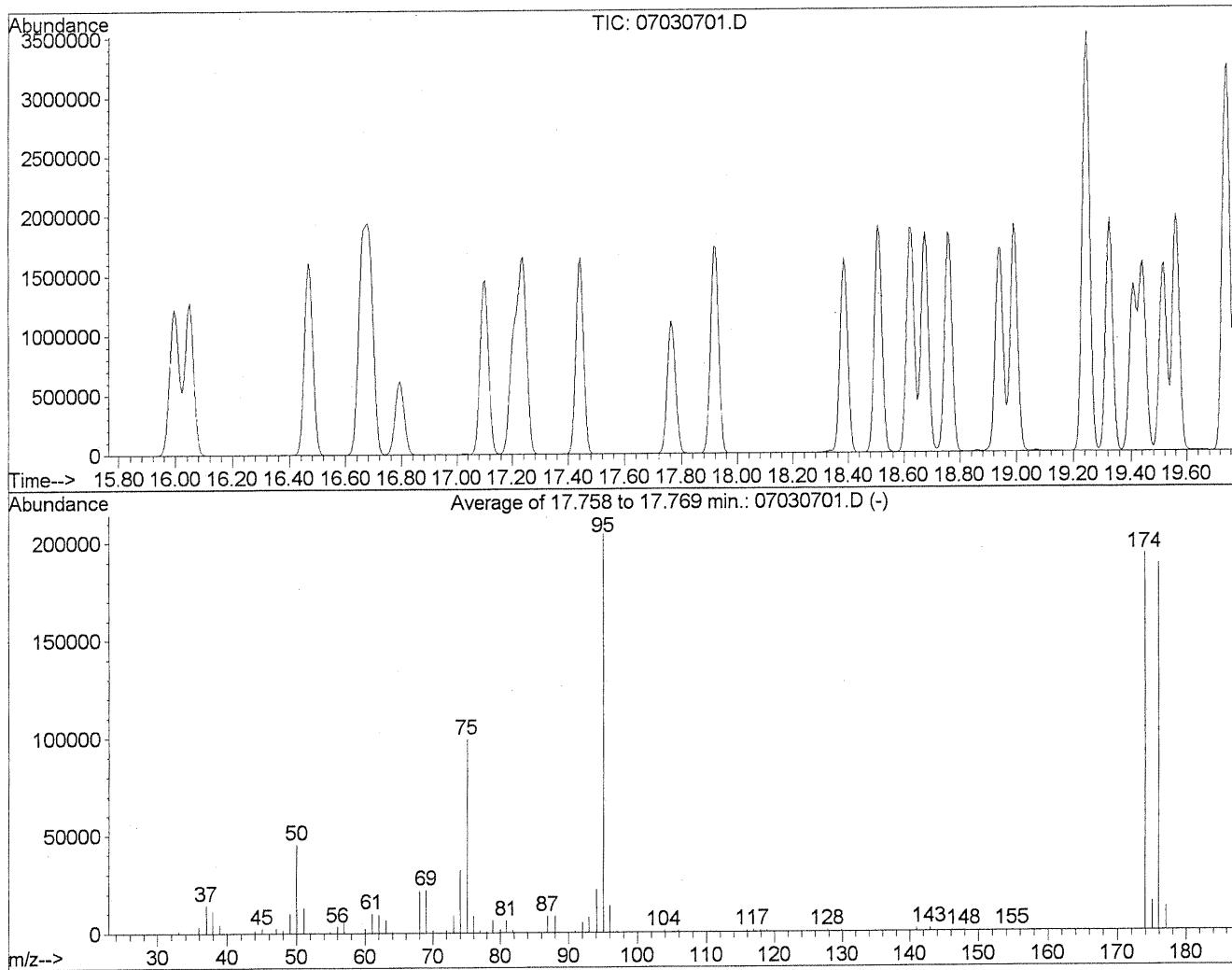
176/20/07

196

BFB

Data File : J:\MS02\DATA\2007_07\03\07030701.D
 Acq On : 3 Jul 2007 9:48
 Sample : 25ng TO-15 CCV Std
 Misc : S15-06180707/S15-06290701
 MS Integration Params: rteint.p
 Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00



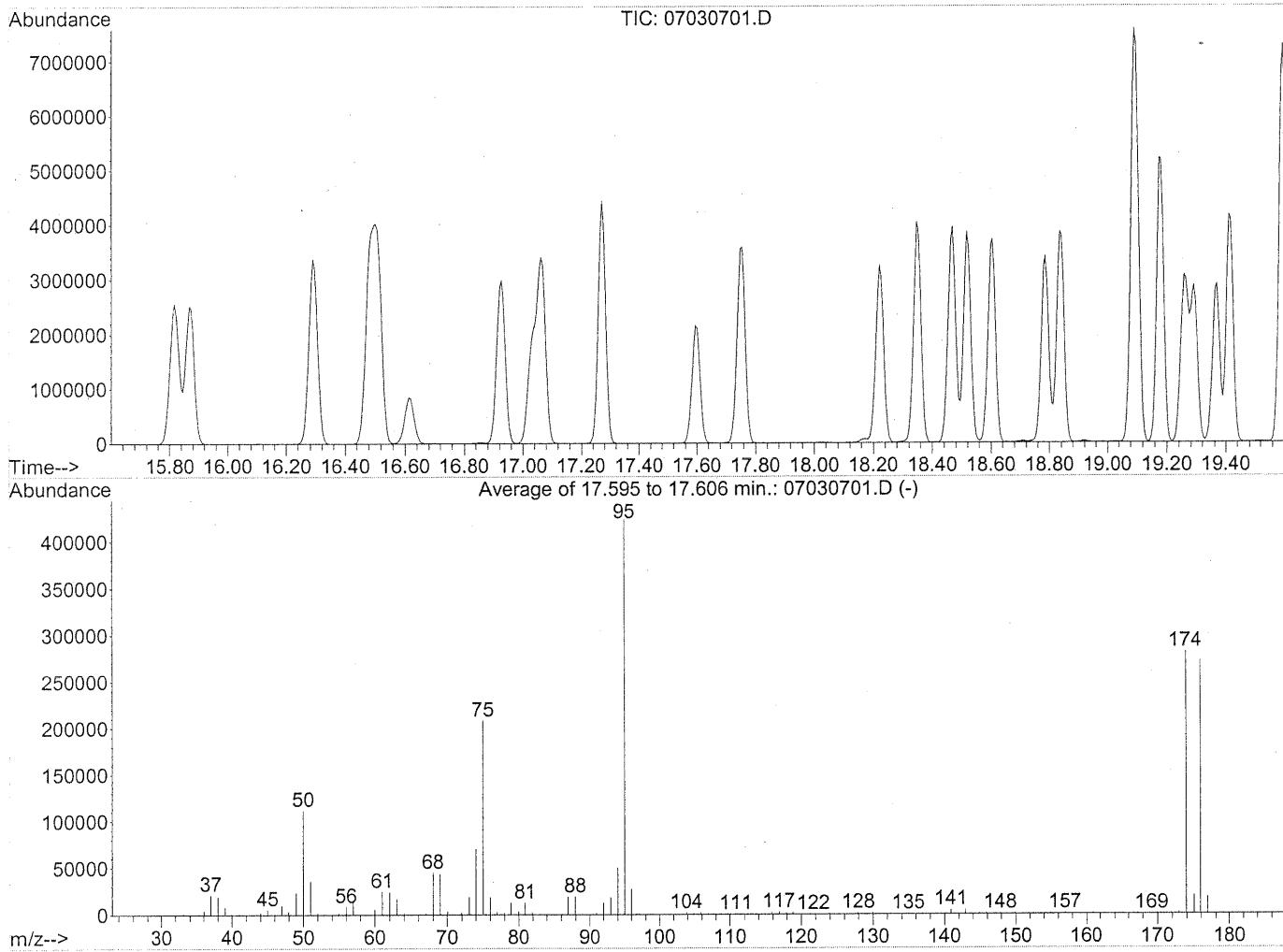
AutoFind: Scans 2493, 2494, 2495; Background Corrected with Scan 2483

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.1	45059	PASS
75	95	30	66	48.5	99168	PASS
96	95	5	9	6.6	13534	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	94.4	192939	PASS
175	174	4	9	7.6	14612	PASS
176	174	93	101	97.4	187883	PASS
177	176	5	9	6.4	12013	PASS

Data Path : J:\MS08\Data\2007_07\03\
 Data File : 07030701.D
 Acq On : 3 Jul 2007 9:02
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8061907.M
 Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 Last Update : Wed Jun 20 09:06:46 2007



AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.4	111584	PASS
75	95	30	66	49.2	208234	PASS
95	95	100	100	100.0	423274	PASS
96	95	5	9	6.3	26850	PASS
173	174	0.00	2	0.6	1781	PASS
174	95	50	120	66.4	281173	PASS
175	174	4	9	7.0	19584	PASS
176	174	93	101	96.7	271829	PASS
177	176	5	9	6.6	17895	PASS

6-7/3/07

198

BFB

Data File : J:\MS02\DATA\2007_07\05\07050702.D

Acq On : 5 Jul 2007 10:32

Sample : 25ng TO-15 CCV Std

Misc : S15-06180707/S15-06290701

Vial: 1

Operator: CH/ST

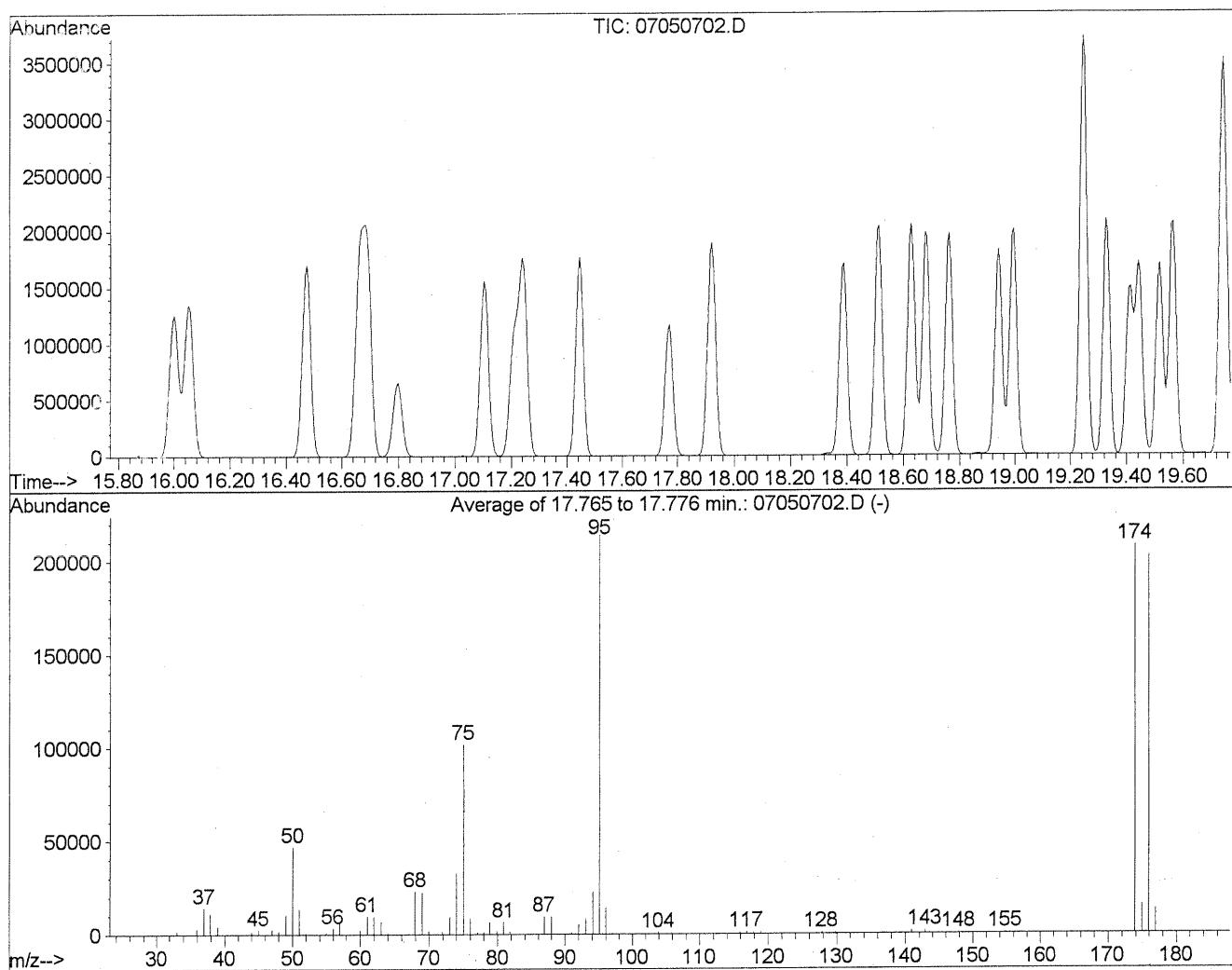
Inst : MS 02

Multiplr: 1.00

MS Integration Params: rteint.p

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)

Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD



AutoFind: Scans 2494, 2495, 2496; Background Corrected with Scan 2484

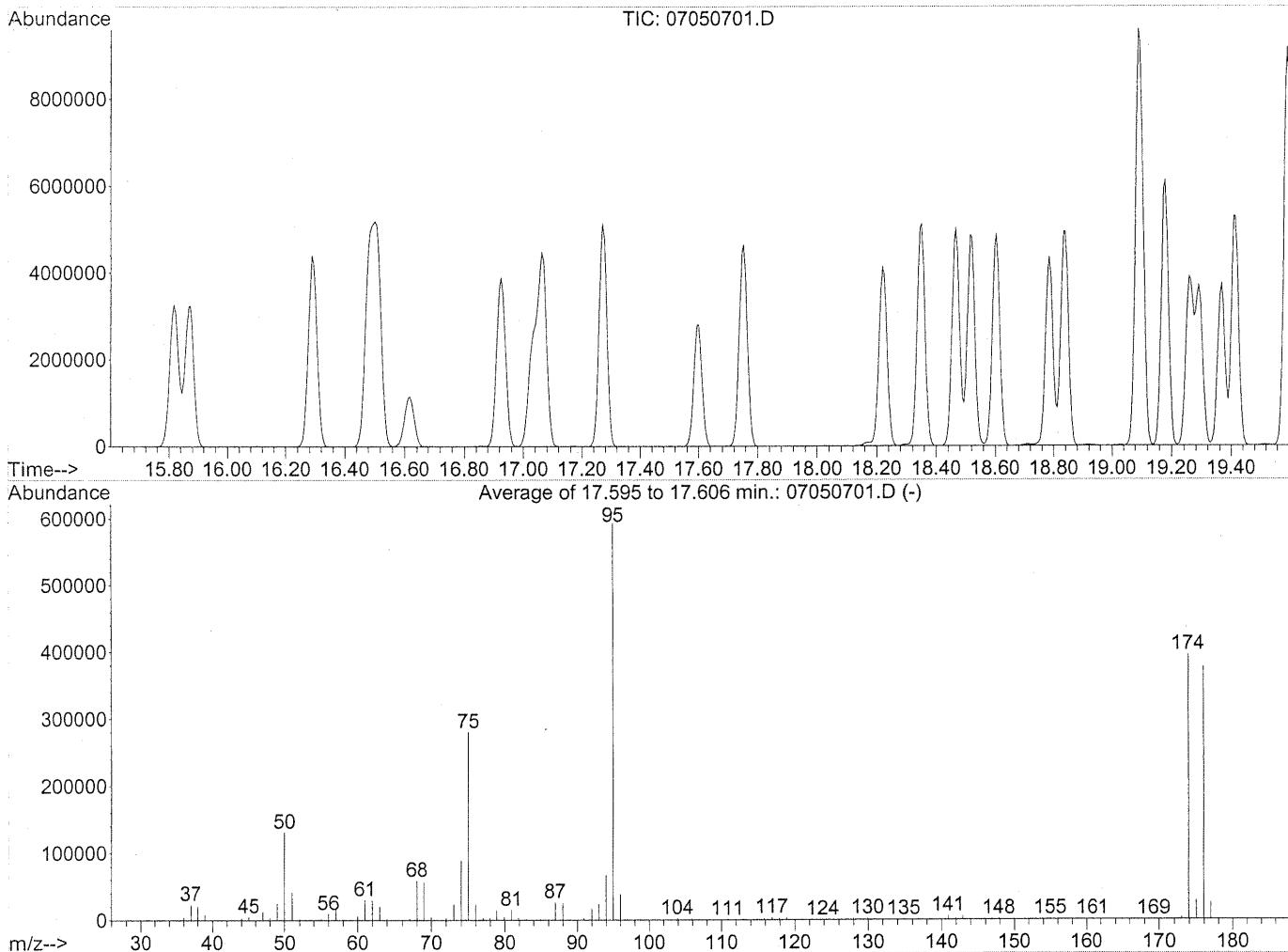
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.8	46560	PASS
75	95	30	66	47.6	101771	PASS
96	95	5	9	6.5	13903	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.2	207808	PASS
175	174	4	9	7.4	15308	PASS
176	174	93	101	97.4	202368	PASS
177	176	5	9	6.3	12827	PASS

8/18/07
187567

Data Path : J:\MS08\Data\2007_07\05\
 Data File : 07050701.D
 Acq On : 5 Jul 2007 9:12
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8061907.M
 Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 Last Update : Wed Jun 20 09:06:46 2007



AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	130210	PASS
75	95	30	66	47.2	280149	PASS
95	95	100	100	100.0	593109	PASS
96	95	5	9	6.4	38146	PASS
173	174	0.00	2	0.7	2575	PASS
174	95	50	120	66.6	394922	PASS
175	174	4	9	7.2	28426	PASS
176	174	93	101	95.5	377344	PASS
177	176	5	9	6.5	24610	PASS

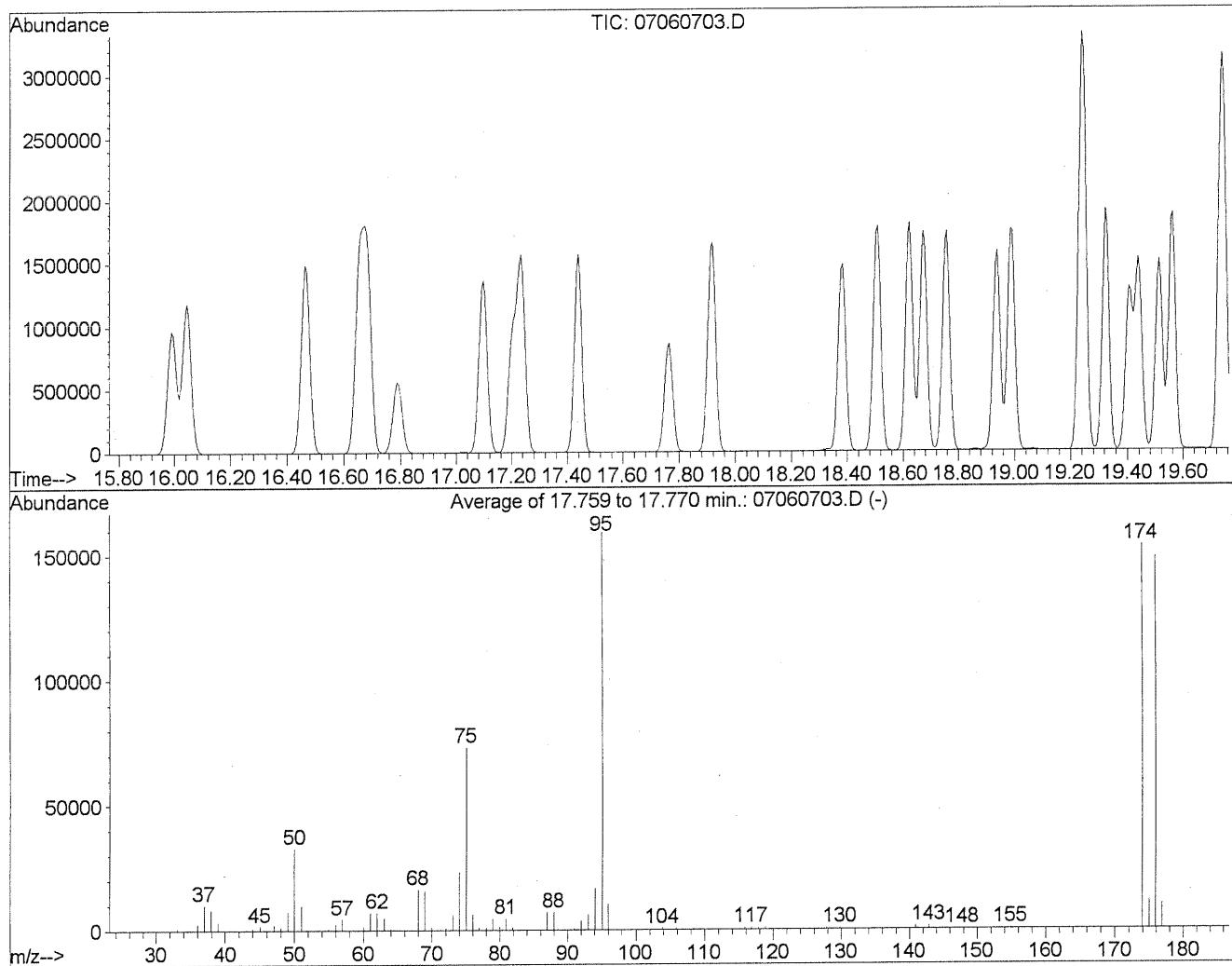
6-7/5/07

200

BFB

Data File : J:\MS02\DATA\2007_07\06\07060703.D
 Acq On : 6 Jul 2007 12:08
 Sample : 25ng TO-15 CCV Std
 Misc : S15-07060701/S15-06290701
 MS Integration Params: rteint.p
 Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00



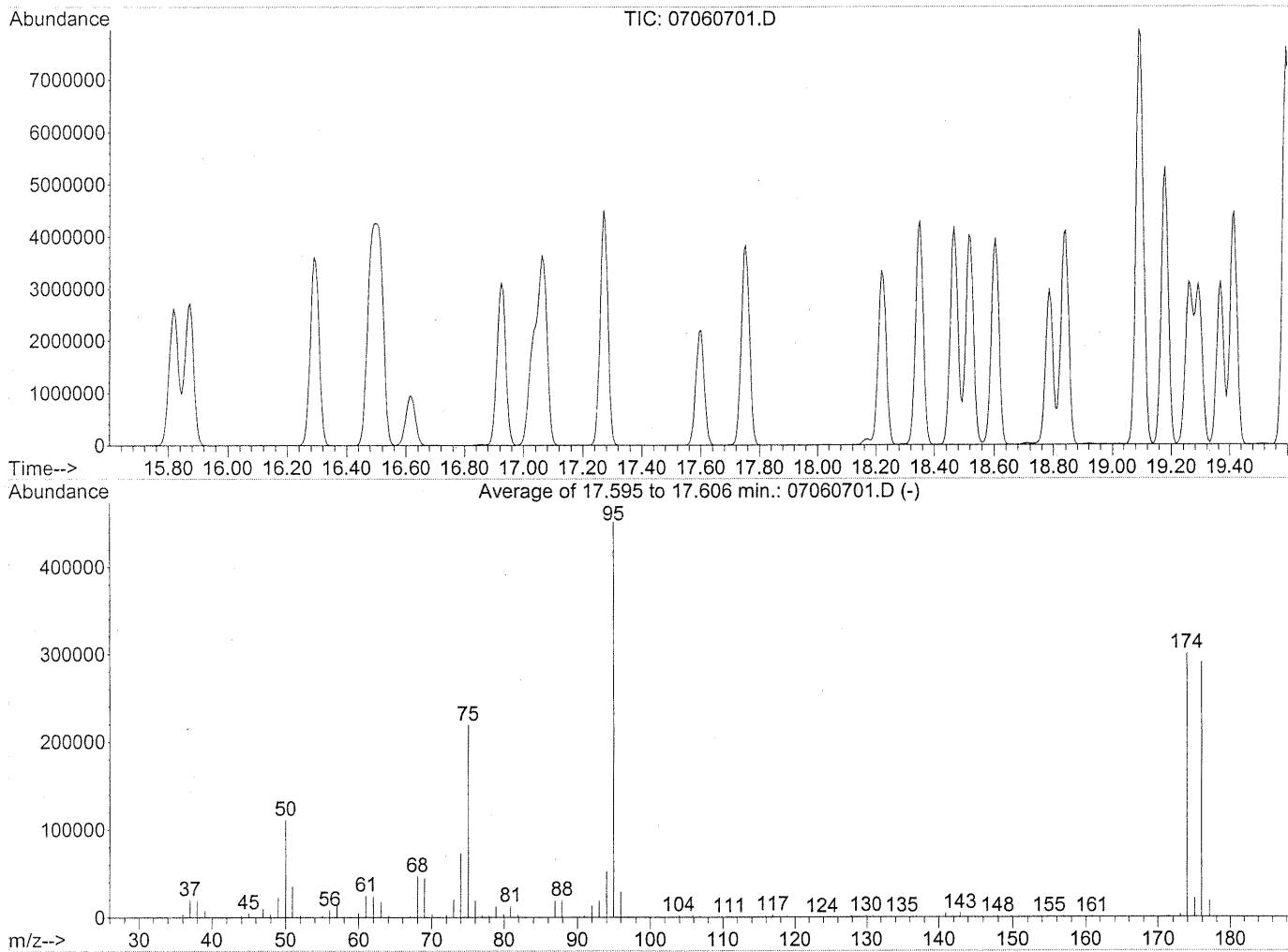
AutoFind: Scans 2493, 2494, 2495; Background Corrected with Scan 2483

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.6	32837	PASS
75	95	30	66	46.0	73200	PASS
96	95	5	9	6.5	10323	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	96.4	153365	PASS
175	174	4	9	7.3	11190	PASS
176	174	93	101	97.0	148736	PASS
177	176	5	9	6.7	9958	PASS

Data Path : J:\MS08\Data\2007_07\06\
 Data File : 07060701.D
 Acq On : 6 Jul 2007 9:28
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06120703
 ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8061907.M
 Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 Last Update : Wed Jun 20 09:06:46 2007



AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.6	111080	PASS
75	95	30	66	48.5	218986	PASS
95	95	100	100	100.0	451242	PASS
96	95	5	9	6.4	28949	PASS
173	174	0.00	2	0.9	2690	PASS
174	95	50	120	66.6	300416	PASS
175	174	4	9	7.0	21141	PASS
176	174	93	101	96.6	290154	PASS
177	176	5	9	6.2	18034	PASS

2-7/6/07

202

Response Factor Report MS 02

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Initial Calibration

Calibration Files

0.5	=06120713.D	1	=06120714.D	5	=06120715.D
25	=06120716.D	50	=06120717.D	100	=06120718.D

	Compound	0.5	1	5	25	50	100	Avg	%RSD
<hr/>									
1)	IR Bromochloromethane	(I	-----	ISTD-----					
2)	T Propene	1.783	1.584	1.441	1.409	1.406	1.425	1.508	9.97
3)	T Dichlorodifluoromethane	2.907	2.668	2.489	2.489	2.458	2.484	2.583	6.82
4)	T Chloromethane	2.501	2.688	2.483	2.477	2.292	2.353	2.466	5.55
5)	T Freon 114	1.061	0.914	0.828	0.854	0.733	0.703	0.849	15.32
6)	T Vinyl Chloride	2.000	1.631	1.468	1.789	1.635	1.532	1.676	11.50
7)	T 1,3-Butadiene	1.529	1.449	1.403	1.423	1.452	1.469	1.454	2.99
8)	T Bromomethane	1.443	1.328	1.266	1.327	1.367	1.427	1.359	4.92
9)	T Chloroethane	1.223	1.152	1.115	1.096	1.110	1.151	1.141	4.03
10)	T Ethanol	0.820	0.835	0.811	0.810	0.854	0.970	0.850	7.18
11)	T Acetonitrile	2.974	2.700	2.471	2.817	2.955	3.213	2.855	8.93
12)	T Acrolein	0.863	0.839	0.786	0.816	0.840	0.890	0.839	4.31
13)	T Acetone		1.737	1.422	1.039	1.101	1.204	1.301	21.85
14)	T Trichlorofluoromethane	1.757	1.644	1.612	1.666	1.694	1.740	1.686	3.32
15)	T Isopropanol	4.676	4.182	2.886	3.793	3.417	2.992	3.658	19.05
16)	T Acrylonitrile	1.618	1.636	1.654	1.839	1.886	2.005	1.773	9.02
17)	T 1,1-Dichloroethene	1.277	1.196	1.159	1.163	1.153	1.173	1.187	3.94
18)	T tert-Butanol	4.098	3.749	3.316	3.253	3.211	3.161	3.465	10.84
19)	T Methylene Chloride	1.525	1.425	1.345	1.352	1.347	1.382	1.396	5.01
20)	T Allyl Chloride	1.745	1.679	1.704	1.890	1.957	2.103	1.846	9.01
21)	T Trichlorotrifluoroethane	1.110	1.091	1.034	1.045	1.032	1.043	1.059	3.12
22)	T Carbon Disulfide	6.732	5.743	5.069	5.128	5.093	5.236	5.500	11.89
23)	T trans-1,2-Dichloroethane	1.998	1.966	1.959	2.017	2.026	2.112	2.013	2.76
24)	T 1,1-Dichloroethane	2.226	2.094	1.951	1.939	1.895	1.840	1.991	7.16
25)	T Methyl tert-Butyl Ether	4.039	3.763	3.615	3.561	3.493	3.490	3.660	5.77
26)	T Vinyl Acetate	0.266	0.278	0.266	0.233	0.213	0.181	0.239	15.72
27)	T 2-Butanone	0.937	0.877	0.852	0.848	0.855	0.886	0.876	3.80
28)	T cis-1,2-Dichloroethane	1.949	1.865	1.822	1.866	1.890	1.970	1.894	2.96
29)	T Diisopropyl Ether	0.991	0.946	0.926	0.927	0.898	0.854	0.924	4.96
30)	T Ethyl Acetate	0.466	0.471	0.453	0.444	0.421	0.390	0.441	6.95
31)	T n-Hexane	2.336	2.172	2.079	2.051	2.003	1.968	2.101	6.41
32)	T Chloroform	1.973	1.824	1.636	1.706	1.691	1.732	1.760	6.86
33)	S 1,2-Dichloroethane	1.427	1.432	1.360	1.451	1.502	1.615	1.465	5.91
34)	T Tetrahydrofuran	1.005	0.876	0.813	0.803	0.764	0.652	0.819	14.35
35)	T Ethyl tert-Butyl Ether	1.474	1.410	1.364	1.389	1.338	1.328	1.384	3.89
36)	T 1,2-Dichloroethane	1.880	1.801	1.715	1.797	1.775	1.806	1.796	2.97
37)	IR 1,4-Difluorobenzene	(-----	ISTD-----					
38)	T 1,1,1-Trichloroethane	0.514	0.493	0.472	0.483	0.479	0.493	0.489	3.04
39)	T Isopropyl Acetate	0.267	0.267	0.252	0.253	0.246	0.245	0.255	3.82
40)	T 1-Butanol		0.359	0.238	0.285	0.281	0.278	0.288	15.13
41)	T Benzene	1.564	1.385	1.266	1.243	1.231	1.225	1.319	10.14
42)	T Carbon Tetrachloride	0.292	0.299	0.330	0.379	0.383	0.393	0.346	12.97

Response Factor Report MS 02

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Initial Calibration

Calibration Files

0.5	=06120713.D	1	=06120714.D	5	=06120715.D
25	=06120716.D	50	=06120717.D	100	=06120718.D

	Compound	0.5	1	5	25	50	100	Avg	%RSD
<hr/>									
43)	T Cyclohexane	0.557	0.497	0.461	0.459	0.446	0.439	0.476	9.32
44)	T tert-Amyl Methyl Et	1.069	1.005	0.965	0.986	0.979	0.979	0.997	3.75
45)	T 1,2-Dichloropropane	0.387	0.375	0.353	0.355	0.352	0.357	0.363	3.95
46)	T Bromodichloromethan	0.441	0.427	0.424	0.430	0.425	0.415	0.427	2.02
47)	T Trichloroethene	0.399	0.381	0.364	0.360	0.346	0.329	0.363	6.83
48)	T 1,4-Dioxane	0.278	0.258	0.249	0.249	0.241	0.230	0.251	6.56
49)	T Isooctane	1.642	1.536	1.433	1.414	1.339	1.258	1.437	9.54
50)	T Methyl Methacrylate	0.145	0.147	0.153	0.158	0.156	0.157	0.153	3.69
51)	T n-Heptane	0.382	0.355	0.339	0.333	0.321	0.310	0.340	7.55
52)	T cis-1,3-Dichloropro	0.577	0.568	0.556	0.557	0.536	0.512	0.551	4.33
53)	T 4-Methyl-2-pentanon	0.378	0.360	0.350	0.329	0.313	0.293	0.337	9.31
54)	T trans-1,3-Dichlorop	0.511	0.488	0.489	0.515	0.515	0.528	0.508	3.19
55)	T 1,1,2-Trichloroetha	0.357	0.341	0.333	0.334	0.330	0.328	0.337	3.12
56)	I Chlorobenzene-d5 (IS3	-----ISTD-----							
57)	S Toluene-d8 (SS2)	2.381	2.377	2.307	2.305	2.295	2.297	2.327	1.74
58)	T Toluene	3.547	3.192	2.885	2.710	2.482	2.180	2.833	17.34
59)	T 2-Hexanone	2.652	2.441	2.286	2.115	1.976	1.829	2.217	13.73
60)	T Dibromochloromethan	0.949	0.925	0.890	0.907	0.851	0.794	0.886	6.32
61)	T 1,2-Dibromoethane	1.041	0.996	0.948	0.936	0.880	0.817	0.936	8.56
62)	T Butyl Acetate	2.863	2.615	2.447	2.333	2.170	2.010	2.406	12.77
63)	T n-Octane	0.922	0.791	0.700	0.661	0.595	0.513	0.697	20.80
64)	T Tetrachloroethene	1.042	0.987	0.901	0.861	0.787	0.703	0.880	14.26
65)	T Chlorobenzene	2.361	2.174	1.973	1.905	1.740	1.548	1.950	15.00
66)	T Ethylbenzene	3.989	3.717	3.374	3.181	2.882	2.513	3.276	16.49
67)	T m- & p-Xylene	2.589	2.375	2.157	1.982	1.740	1.446	2.048	20.41
68)	T Bromoform	0.689	0.662	0.666	0.676	0.633	0.578	0.651	6.15
69)	T Styrene	2.315	2.193	2.067	1.953	1.760	1.532	1.970	14.61
70)	T o-Xylene	2.865	2.557	2.306	2.158	1.910	1.591	2.231	20.36
71)	T n-Nonane	2.204	1.992	1.804	1.716	1.519	1.298	1.756	18.48
72)	T 1,1,2,2-Tetrachloro	1.455	1.369	1.276	1.209	1.086	0.915	1.219	16.07
73)	S Bromofluorobenzene	0.792	0.790	0.806	0.805	0.791	0.787	0.795	1.01
74)	T Cumene	3.612	3.310	3.035	2.934	2.604	2.226	2.954	16.72
75)	T alpha-Pinene	1.902	1.816	1.680	1.606	1.435	1.223	1.610	15.54
76)	T n-Propylbenzene	4.702	4.367	4.030	3.849	3.399	2.858	3.868	17.20
77)	T 3-Ethyltoluene	3.816	3.703	3.312	3.192	2.758	2.316	3.183	17.89
78)	T 4-Ethyltoluene	3.672	3.331	3.151	2.852	2.532	2.061	2.933	19.76
79)	T 1,3,5-Trimethylbenz	3.225	2.959	2.712	2.518	2.186	1.828	2.571	19.84
80)	T alpha-Methylstyrene	0.851	0.822	0.796	0.744	0.657	0.573	0.740	14.41
81)	T 2-Ethyltoluene	3.914	3.707	3.368	3.208	2.806	2.309	3.219	18.33
82)	T 1,2,4-Trimethylbenz	3.210	2.952	2.685	2.340	1.911	1.451	2.425	27.24
83)	T n-Decane	2.170	2.019	1.835	1.699	1.468	1.194	1.731	20.75
84)	T Benzyl Chloride	2.590	2.505	2.465	2.337	2.092	1.791	2.297	13.16
85)	T 1,3-Dichlorobenzene	1.996	1.876	1.742	1.626	1.434	1.175	1.641	18.31

Response Factor Report MS 02

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Initial Calibration

Calibration Files

0.5	=06120713.D	1	=06120714.D	5	=06120715.D
25	=06120716.D	50	=06120717.D	100	=06120718.D

	Compound	0.5	1	5	25	50	100	Avg	%RSD
86)	T 1,4-Dichlorobenzene	2.004	1.873	1.718	1.618	1.414	1.176	1.634	18.55
87)	T sec-Butylbenzene	4.282	3.968	3.611	3.407	2.915	2.309	3.415	20.98
88)	T p-Isopropyltoluene	3.512	3.294	3.008	2.696	2.179	1.596	2.714	26.55
89)	T 1,2,3-Trimethylbenz	3.016	2.796	2.536	2.324	1.906	1.440	2.336	24.98
90)	T 1,2-Dichlorobenzene	1.872	1.779	1.624	1.478	1.249	0.978	1.497	22.50
91)	T d-Limonene	1.378	1.299	1.231	1.077	0.899	0.712	1.099	23.21
92)	T 1,2-Dibromo-3-Chlor	0.614	0.606	0.621	0.659	0.611	0.557	0.611	5.32
93)	T n-Undecane	2.240	2.100	1.917	1.768	1.536	1.226	1.798	20.78
94)	T 1,2,4-Trichlorobenz	0.332	0.352	0.360	0.341	0.311	0.268	0.328	10.26
95)	T Naphthalene	3.682	3.480	3.501	3.481	3.163	2.650	3.326	11.16
96)	T n-Dodecane	1.892	1.857	1.700	1.505	1.335	1.084	1.562	20.20
97)	T Hexachloro-1,3-but	0.738	0.724	0.668	0.630	0.581	0.502	0.641	13.98

Method Path : J:\MS08\METHODS\
 Method File : R8061907.M
 Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 Last Update : Wed Jun 20 09:06:46 2007
 Response Via : Initial Calibration

Calibration Files

0.5 =06190709.D 1 =06190710.D 5 =06190711.D 25 =06190712.D
 50 =06190713.D 100 =06190714.D =

	Compound	0.5	1	5	25	50	100	Avg	%RSD
1)	IR Bromochloromethane (I -----ISTD-----								
2)	T Propene	5.605	4.199	3.207	3.018	2.765	2.657	3.575	31.78
3)	T Dichlorodifluorom	4.565	4.408	4.209	4.245	3.933	3.662	4.170	7.83
4)	T Chloromethane	5.569	5.458	4.854	5.344	4.640	2.681	4.758	22.70
5)	T Freon 114	1.463	1.331	1.329	1.358	1.302	1.260	1.340	5.12
6)	T Vinyl Chloride	4.096	4.010	4.097	4.081	3.795	3.496	3.929	6.14
7)	T 1,3-Butadiene	3.139	2.964	3.048	3.347	3.150	2.871	3.086	5.37
8)	T Bromomethane	1.521	1.485	1.419	1.468	1.394	1.329	1.436	4.84
9)	T Chloroethane	1.779	1.745	1.707	1.724	1.616	1.505	1.679	6.03
10)	T Ethanol	2.413	2.065	1.891	2.125	1.879	1.697	2.012	12.33
11)	T Acetonitrile	6.541	5.993	5.562	5.694	4.952	4.405	5.525	13.70
12)	T Acrolein	1.824	1.684	1.542	1.968	1.798	1.693	1.751	8.32
13)	T Acetone	4.534	4.401	3.418	2.451	2.122	2.009	3.156	35.84
14)	T Trichlorofluorome	3.561	3.471	3.364	3.335	3.206	3.124	3.344	4.85
15)	T Isopropanol	8.548	8.366	7.350	8.119	6.947	5.602	7.488	14.83
16)	T Acrylonitrile	4.210	4.110	3.984	4.255	3.926	3.707	4.032	5.04
17)	T 1,1-Dichloroethen	1.984	1.831	1.842	1.827	1.720	1.656	1.810	6.24
18)	T tert-Butanol	8.813	8.424	8.255	7.605	6.990	6.347	7.739	12.13
19)	T Methylene Chlorid	2.478	2.272	1.985	1.955	1.840	1.781	2.052	13.12
20)	T Allyl Chloride	2.705	2.617	2.377	2.659	2.570	2.623	2.592	4.43
21)	T Trichlorotrifluor	1.294	1.228	1.198	1.181	1.146	1.134	1.197	4.91
22)	T Carbon Disulfide	1.068	0.937	0.841	0.751	0.701	0.665	0.827	E1 18.57
23)	T trans-1,2-Dichlor	4.265	4.197	4.074	4.145	3.870	3.696	4.041	5.36
24)	T 1,1-Dichloroethan	5.006	4.749	4.408	4.636	4.184	3.856	4.473	9.25
25)	T Methyl tert-Butyl	6.379	6.149	6.013	6.029	5.571	5.263	5.901	6.93
26)	T Vinyl Acetate	0.294	0.346	0.361	0.398	0.395	0.395	0.365	11.12
27)	T 2-Butanone	1.661	1.707	1.693	1.390	1.291	1.216	1.493	14.73
28)	T cis-1,2-Dichloroe	3.909	3.821	3.748	3.828	3.559	3.375	3.707	5.43
29)	T Diisopropyl Ether	1.771	1.676	1.600	1.608	1.524	1.455	1.606	6.92
30)	T Ethyl Acetate	1.281	1.251	1.241	1.024	0.953	0.887	1.106	15.54
31)	T n-Hexane	5.998	5.657	5.450	5.387	5.054	4.783	5.388	7.98
32)	T Chloroform	3.227	3.194	3.126	3.149	2.975	2.851	3.087	4.69
33)	S 1,2-Dichloroethan	2.596	2.638	2.605	2.602	2.520	2.418	2.563	3.17
34)	T Tetrahydrofuran	1.370	1.354	1.335	1.359	1.264	1.183	1.311	5.58
35)	T Ethyl tert-Butyl	2.416	2.423	2.313	2.399	2.259	2.167	2.330	4.40
36)	T 1,2-Dichloroethan	3.773	3.628	3.577	3.590	3.330	3.088	3.498	7.05
37)	IR 1,4-Difluorobenzene (-----ISTD-----								
38)	T 1,1,1-Trichloroet	0.637	0.607	0.599	0.630	0.607	0.584	0.611	3.22
39)	T Isopropyl Acetate	0.390	0.400	0.392	0.400	0.382	0.361	0.387	3.81
40)	T 1-Butanol	0.504	0.496	0.494	0.577	0.552	0.527	0.525	6.37
41)	T Benzene	1.797	1.685	1.592	1.612	1.519	1.431	1.606	7.92
42)	T Carbon Tetrachlor	0.468	0.480	0.460	0.496	0.488	0.475	0.478	2.72
43)	T Cyclohexane	0.720	0.611	0.614	0.621	0.597	0.571	0.623	8.21
44)	T tert-Amyl Methyl	1.218	1.212	1.153	1.206	1.145	1.078	1.169	4.63
45)	T 1,2-Dichloropropa	0.582	0.546	0.552	0.573	0.542	0.515	0.552	4.28
46)	T Bromodichlorometh	0.527	0.528	0.522	0.556	0.524	0.499	0.526	3.47
47)	T Trichloroethene	0.327	0.348	0.322	0.329	0.319	0.308	0.326	4.11
48)	T 1,4-Dioxane	0.399	0.384	0.372	0.308	0.293	0.277	0.339	15.44
49)	T Isooctane	2.754	2.714	2.638	2.771	2.607	2.328	2.635	6.20
50)	T Methyl Methacryla	0.135	0.147	0.147	0.152	0.148	0.146	0.146	3.90
51)	T n-Heptane	0.496	0.435	0.431	0.439	0.413	0.391	0.434	8.06
52)	T cis-1,3-Dichlorop	0.696	0.681	0.667	0.710	0.664	0.618	0.673	4.75
53)	T 4-Methyl-2-pentan	0.658	0.635	0.639	0.598	0.567	0.524	0.603	8.42
54)	T trans-1,3-Dichlor	0.620	0.607	0.609	0.654	0.617	0.587	0.616	3.59
55)	T 1,1,2-Trichloroet	0.377	0.388	0.375	0.387	0.370	0.359	0.376	2.92
56)	I Chlorobenzene-d5 (IS3 -----ISTD-----								
57)	S Toluene-d8 (SS2)	2.183	2.198	2.169	2.174	2.203	2.239	2.194	1.16

Method Path : J:\MS08\METHODS\

Method File : R8061907.M

Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD

Last Update : Wed Jun 20 09:06:46 2007

Response Via : Initial Calibration

Calibration Files

0.5 =06190709.D 1 =06190710.D 5 =06190711.D 25 =06190712.D
 50 =06190713.D 100 =06190714.D =

	Compound	0.5	1	5	25	50	100	Avg	%RSD
58)	T Toluene	3.030	2.938	2.791	2.794	2.678	2.520	2.792	6.50
59)	T 2-Hexanone	3.567	3.428	3.468	2.500	2.279	2.041	2.881	23.69
60)	T Dibromochlorometh	0.640	0.588	0.608	0.644	0.630	0.622	0.622	3.39
61)	T 1,2-Dibromoethane	0.733	0.687	0.670	0.693	0.675	0.654	0.685	3.92
62)	T Butyl Acetate	3.472	3.439	3.390	2.861	2.602	2.317	3.014	16.32
63)	T n-Octane	1.000	0.983	0.949	0.992	0.947	0.889	0.960	4.32
64)	T Tetrachloroethene	0.612	0.594	0.556	0.578	0.572	0.568	0.580	3.42
65)	T Chlorobenzene	1.712	1.672	1.571	1.617	1.557	1.491	1.603	5.03
66)	T Ethylbenzene	3.499	3.317	3.211	3.284	3.121	2.882	3.219	6.45
67)	T m- & p-Xylene	2.226	2.187	2.093	2.137	2.035	1.874	2.092	6.04
68)	T Bromoform	0.359	0.382	0.396	0.424	0.420	0.420	0.400	6.57
69)	T Styrene	1.777	1.689	1.702	1.772	1.714	1.638	1.716	3.06
70)	T o-Xylene	2.444	2.326	2.270	2.329	2.228	2.084	2.280	5.29
71)	T n-Nonane	2.215	2.198	2.186	2.274	2.076	1.829	2.130	7.55
72)	T 1,1,2,2-Tetrachlo	1.126	1.077	1.086	1.122	1.064	1.000	1.079	4.26
73)	S Bromofluorobenzen	0.556	0.555	0.553	0.558	0.579	0.593	0.566	2.94
74)	T Cumene	2.783	2.706	2.634	2.765	2.644	2.463	2.666	4.36
75)	T alpha-Pinene	1.618	1.595	1.592	1.671	1.600	1.508	1.597	3.30
76)	T n-Propylbenzene	3.980	3.924	3.831	4.037	3.770	3.366	3.818	6.33
77)	T 3-Ethyltoluene	2.913	2.867	2.810	3.048	2.843	2.674	2.859	4.30
78)	T 4-Ethyltoluene	2.852	2.720	2.677	2.718	2.665	2.474	2.684	4.57
79)	T 1,3,5-Trimethylbe	2.552	2.468	2.368	2.450	2.353	2.227	2.403	4.69
80)	T alpha-Methylstyre	1.230	1.205	1.218	1.295	1.245	1.196	1.232	2.89
81)	T 2-Ethyltoluene	3.052	2.959	2.868	3.057	2.908	2.716	2.926	4.38
82)	T 1,2,4-Trimethylbe	2.555	2.466	2.397	2.456	2.333	2.130	2.390	6.16
83)	T n-Decane	2.410	2.339	2.345	2.521	2.360	2.139	2.352	5.29
84)	T Benzyl Chloride	2.380	2.403	2.405	2.692	2.537	2.351	2.461	5.28
85)	T 1,3-Dichlorobenze	1.218	1.202	1.167	1.234	1.194	1.137	1.192	2.95
86)	T 1,4-Dichlorobenze	1.225	1.134	1.150	1.208	1.165	1.125	1.168	3.48
87)	T sec-Butylbenzene	3.210	3.178	3.097	3.342	3.160	2.867	3.142	5.01
88)	T p-Isopropyltoluen	2.490	2.470	2.455	2.652	2.487	2.229	2.464	5.51
89)	T 1,2,3-Trimethylbe	2.364	2.304	2.273	2.447	2.315	2.126	2.305	4.62
90)	T 1,2-Dichlorobenze	1.163	1.128	1.110	1.153	1.096	1.022	1.112	4.57
91)	T d-Limonene	1.113	1.160	1.164	1.215	1.139	1.016	1.135	5.93
92)	T 1,2-Dibromo-3-Chl	0.317	0.332	0.366	0.435	0.421	0.403	0.379	12.75
93)	T n-Undecane	2.317	2.377	2.424	2.688	2.477	2.155	2.406	7.36
94)	T 1,2,4-Trichlorobe	0.232	0.231	0.237	0.259	0.251	0.240	0.242	4.57
95)	T Naphthalene	2.704	2.720	2.756	3.207	3.056	2.786	2.872	7.28
96)	T n-Dodecane	2.258	2.267	2.329	2.650	2.460	2.137	2.350	7.69
97)	T Hexachloro-1,3-bu	0.504	0.450	0.486	0.522	0.511	0.500	0.496	5.11

(#= Out of Range

Data File : J:\MS02\DATA\2007_07\03\07030701.D
 Acq On : 3 Jul 2007 9:48
 Sample : 25ng TO-15 CCV Std
 Misc : S15-06180707/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	87	0.00
2	T Propene	1.508	1.223	18.9	75	0.00
3	T Dichlorodifluoromethane	2.583	2.763	-7.0	96	0.01
4	T Chloromethane	2.466	2.015	18.3	71	0.01
5	T Freon 114	0.849	0.784	7.7	80	0.01
6	T Vinyl Chloride	1.676	1.429	14.7	69	0.01
7	T 1,3-Butadiene	1.454	1.349	7.2	82	0.00
8	T Bromomethane	1.359	1.365	-0.4	89	0.01
9	T Chloroethane	1.141	1.039	8.9	82	0.01
10	T Ethanol	0.850	0.781	8.1	84	0.01
11	T Acetonitrile	2.855	2.414	15.4	74	0.00
12	T Acrolein	0.839	0.759	9.5	81	0.01
13	T Acetone	1.301	0.965	25.8	81	0.00
14	T Trichlorofluoromethane	1.686	1.798	-6.6	94	0.01
15	T Isopropanol	3.658	3.578	2.2	82	0.01
16	T Acrylonitrile	1.773	1.614	9.0	76	0.01
17	T 1,1-Dichloroethene	1.187	1.140	4.0	85	0.01
18	T tert-Butanol	3.465	3.253	6.1	87	0.00
19	T Methylene Chloride	1.396	1.300	6.9	83	0.00
20	T Allyl Chloride	1.846	1.668	9.6	77	0.01
21	T Trichlorotrifluoroethane	1.059	1.096	-3.5	91	0.01
22	T Carbon Disulfide	5.500	4.837	12.1	82	0.01
23	T trans-1,2-Dichloroethene	2.013	2.013	0.0	87	0.01
24	T 1,1-Dichloroethane	1.991	1.913	3.9	86	0.00
25	T Methyl tert-Butyl Ether	3.660	3.732	-2.0	91	0.01
26	T Vinyl Acetate	0.239	0.287	-20.1	107	0.01
27	T 2-Butanone	0.876	0.793	9.5	81	0.00
28	T cis-1,2-Dichloroethene	1.894	1.842	2.7	86	0.00
29	T Diisopropyl Ether	0.924	0.925	-0.1	87	0.01
30	T Ethyl Acetate	0.441	0.407	7.7	80	0.00
31	T n-Hexane	2.101	1.883	10.4	80	0.00
32	T Chloroform	1.760	1.771	-0.6	90	0.00
33	S 1,2-Dichloroethane-d4 (SS1)	1.465	1.596	-8.9	95	0.00
34	T Tetrahydrofuran	0.819	0.750	8.4	81	0.00
35	T Ethyl tert-Butyl Ether	1.384	1.424	-2.9	89	0.01
36	T 1,2-Dichloroethane	1.796	2.015	-12.2	97	0.00
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	85	0.00
38	T 1,1,1-Trichloroethane	0.489	0.538	-10.0	95	0.00
39	T Isopropyl Acetate	0.255	0.229	10.2	77	0.00
40	T 1-Butanol	0.288	0.245	14.9	73	0.00

(#) = Out of Range

07030701.D R2061207.M

Tue Jul 03 12:38:21 2007

6/13/07
13/17/07
Page 1 208

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\03\07030701.D
 Acq On : 3 Jul 2007 9:48
 Sample : 25ng TO-15 CCV Std
 Misc : S15-06180707/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
41	T	Benzene	1.319	1.209	8.3	83	0.00
42	T	Carbon Tetrachloride	0.346	0.378	-9.2	85	0.00
43	T	Cyclohexane	0.476	0.453	4.8	84	0.00
44	T	tert-Amyl Methyl Ether	0.997	0.991	0.6	85	0.00
45	T	1,2-Dichloropropane	0.363	0.325	10.5	78	0.00
46	T	Bromodichloromethane	0.427	0.465	-8.9	92	0.00
47	T	Trichloroethene	0.363	0.375	-3.3	89	0.00
48	T	1,4-Dioxane	0.251	0.240	4.4	82	0.00
49	T	Isooctane	1.437	1.320	8.1	79	0.00
50	T	Methyl Methacrylate	0.153	0.158	-3.3	85	0.00
51	T	n-Heptane	0.340	0.313	7.9	80	0.00
52	T	cis-1,3-Dichloropropene	0.551	0.552	-0.2	84	0.00
53	T	4-Methyl-2-pentanone	0.337	0.298	11.6	77	0.00
54	T	trans-1,3-Dichloropropene	0.508	0.523	-3.0	86	0.00
55	T	1,1,2-Trichloroethane	0.337	0.329	2.4	84	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	88	0.00
57	S	Toluene-d8 (SS2)	2.327	2.244	3.6	86	0.00
58	T	Toluene	2.833	2.617	7.6	85	0.00
59	T	2-Hexanone	2.217	1.800	18.8	75	0.00
60	T	Dibromochloromethane	0.886	0.923	-4.2	90	0.00
61	T	1,2-Dibromoethane	0.936	0.906	3.2	85	0.00
62	T	Butyl Acetate	2.406	1.964	18.4	74	0.00
63	T	n-Octane	0.697	0.588	15.6	79	0.00
64	T	Tetrachloroethene	0.880	0.889	-1.0	91	0.00
65	T	Chlorobenzene	1.950	1.834	5.9	85	0.00
66	T	Ethylbenzene	3.276	3.103	5.3	86	0.00
67	T	m- & p-Xylene	2.048	1.987	3.0	88	0.01
68	T	Bromoform	0.651	0.694	-6.6	91	0.00
69	T	Styrene	1.970	1.875	4.8	85	0.00
70	T	o-Xylene	2.231	2.133	4.4	87	0.00
71	T	n-Nonane	1.756	1.455	17.1	75	0.00
72	T	1,1,2,2-Tetrachloroethane	1.219	1.093	10.3	80	0.00
73	S	Bromofluorobenzene (SS3)	0.795	0.877	-10.3	96	0.00
74	T	Cumene	2.954	2.859	3.2	86	0.00
75	T	alpha-Pinene	1.610	1.567	2.7	86	0.00
76	T	n-Propylbenzene	3.868	3.670	5.1	84	0.00
77	T	3-Ethyltoluene	3.183	3.030	4.8	84	0.00
78	T	4-Ethyltoluene	2.933	2.824	3.7	87	0.00
79	T	1,3,5-Trimethylbenzene	2.571	2.448	4.8	86	0.00
80	T	alpha-Methylstyrene	0.740	0.728	1.6	86	0.00

(#) = Out of Range

07030701.D R2061207.M

Tue Jul 03 12:38:24 2007

8/1/07
JUL 15 2007
Page 209

Data File : J:\MS02\DATA\2007_07\03\07030701.D
Acq On : 3 Jul 2007 9:48
Sample : 25ng TO-15 CCV Std
Misc : S15-06180707/S15-06290701
MS Integration Params: rteint.p

Vial: 1
Operator: CH/ST
Inst : MS 02
Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
Last Update : Wed Jun 13 10:56:47 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
81 T	2-Ethyltoluene	3.219	3.061	4.9	84	0.00
82 T	1,2,4-Trimethylbenzene	2.425	2.315	4.5	87	0.00
83 T	n-Decane	1.731	1.434	17.2	74	0.00
84 T	Benzyl Chloride	2.297	2.248	2.1	85	0.00
85 T	1,3-Dichlorobenzene	1.641	1.590	3.1	86	0.00
86 T	1,4-Dichlorobenzene	1.634	1.581	3.2	86	0.00
87 T	sec-Butylbenzene	3.415	3.172	7.1	82	0.00
88 T	p-Isopropyltoluene	2.714	2.649	2.4	87	0.00
89 T	1,2,3-Trimethylbenzene	2.336	2.262	3.2	86	0.00
90 T	1,2-Dichlorobenzene	1.497	1.457	2.7	87	0.00
91 T	d-Limonene	1.099	0.977	11.1	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.611	0.636	-4.1	85	0.00
93 T	n-Undecane	1.798	1.404	21.9	70	0.00
94 T	1,2,4-Trichlorobenzene	0.328	0.339	-3.4	88	0.00
95 T	Naphthalene	3.326	3.066	7.8	78	0.00
96 T	n-Dodecane	1.562	1.154	26.1	68	0.00
97 T	Hexachloro-1,3-butadiene	0.641	0.640	0.2	90	0.00

Data File : J:\MS02\DATA\2007_07\03\07030705.D
 Acq On : 3 Jul 2007 12:44
 Sample : 1ng CRQL Std
 Misc : S15-06180707/S15-06290704
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	92	-0.01
2	T	Propene	1.508	1.317	12.7	77	0.03
3	T	Dichlorodifluoromethane	2.583	2.959	-14.6	102	0.03
4	T	Chloromethane	2.466	2.063	16.3	71	0.03
5	T	Freon 114	0.849	0.970	-14.3	98	0.03
6	T	Vinyl Chloride	1.676	1.882	-12.3	106	0.03
7	T	1,3-Butadiene	1.454	1.343	7.6	85	0.03
8	T	Bromomethane	1.359	1.430	-5.2	99	0.03
9	T	Chloroethane	1.141	1.034	9.4	83	0.03
10	T	Ethanol	0.850	0.895	-5.3	99	0.00
11	T	Acetonitrile	2.855	2.574	9.8	88	0.01
12	T	Acrolein	0.839	0.721	14.1	79	0.02
13	T	Acetone	1.301	1.478	-13.6	78	0.00
14	T	Trichlorofluoromethane	1.686	1.812	-7.5	102	0.02
15	T	Isopropanol	3.658	4.143	-13.3	91	-0.02
16	T	Acrylonitrile	1.773	1.516	14.5	85	0.01
17	T	1,1-Dichloroethene	1.187	1.158	2.4	89	0.02
18	T	tert-Butanol	3.465	3.695	-6.6	91	-0.02
19	T	Methylene Chloride	1.396	1.339	4.1	86	0.00
20	T	Allyl Chloride	1.846	1.478	19.9	81	0.02
21	T	Trichlorotrifluoroethane	1.059	1.156	-9.2	98	0.02
22	T	Carbon Disulfide	5.500	5.548	-0.9	89	0.03
23	T	trans-1,2-Dichloroethene	2.013	1.951	3.1	91	0.01
24	T	1,1-Dichloroethane	1.991	2.063	-3.6	91	-0.01
25	T	Methyl tert-Butyl Ether	3.660	3.834	-4.8	94	0.00
26	T	Vinyl Acetate	0.239	0.266	-11.3	88	0.00
27	T	2-Butanone	0.876	0.779	11.1	82	0.00
28	T	cis-1,2-Dichloroethene	1.894	1.815	4.2	90	0.00
29	T	Diisopropyl Ether	0.924	0.935	-1.2	91	0.00
30	T	Ethyl Acetate	0.441	0.417	5.4	81	0.00
31	T	n-Hexane	2.101	1.996	5.0	85	0.00
32	T	Chloroform	1.760	1.889	-7.3	95	-0.02
33	S	1,2-Dichloroethane-d4 (SS1)	1.465	1.557	-6.3	100	-0.01
34	T	Tetrahydrofuran	0.819	0.810	1.1	85	0.00
35	T	Ethyl tert-Butyl Ether	1.384	1.466	-5.9	96	0.00
36	T	1,2-Dichloroethane	1.796	2.062	-14.8	105	-0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	90	0.00
38	T	1,1,1-Trichloroethane	0.489	0.561	-14.7	103	0.00
39	T	Isopropyl Acetate	0.255	0.238	6.7	80	0.00
40	T	1-Butanol	0.288	0.380	-31.9#	95	0.02

(#) = Out of Range

07030705.D R2061207.M

Tue Jul 03 17:01:17 2007

8 7662/17 Page 211
 8/25/07

Data File : J:\MS02\DATA\2007_07\03\07030705.D
 Acq On : 3 Jul 2007 12:44
 Sample : 1ng CRQL Std
 Misc : S15-06180707/S15-06290704
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multipllr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
41	T Benzene	1.319	1.305	1.1	85	0.00
42	T Carbon Tetrachloride	0.346	0.189	45.4#	57	0.00 ✓
43	T Cyclohexane	0.476	0.495	-4.0	90	0.00
44	T tert-Amyl Methyl Ether	0.997	1.031	-3.4	93	0.00
45	T 1,2-Dichloropropane	0.363	0.339	6.6	82	0.00
46	T Bromodichloromethane	0.427	0.448	-4.9	95	0.00
47	T Trichloroethene	0.363	0.395	-8.8	94	0.00
48	T 1,4-Dioxane	0.251	0.260	-3.6	91	0.00
49	T Isooctane	1.437	1.404	2.3	82	0.00
50	T Methyl Methacrylate	0.153	0.154	-0.7	95	0.00
51	T n-Heptane	0.340	0.338	0.6	86	0.00
52	T cis-1,3-Dichloropropene	0.551	0.534	3.1	85	0.00
53	T 4-Methyl-2-pentanone	0.337	0.322	4.5	81	0.00
54	T trans-1,3-Dichloropropene	0.508	0.480	5.5	89	0.00
55	T 1,1,2-Trichloroethane	0.337	0.336	0.3	89	0.00
56	I Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	97	0.00
57	S Toluene-d8 (SS2)	2.327	2.246	3.5	91	0.00
58	T Toluene	2.833	2.985	-5.4	90	0.00
59	T 2-Hexanone	2.217	2.059	7.1	82	0.00
60	T Dibromochloromethane	0.886	0.882	0.5	92	0.00
61	T 1,2-Dibromoethane	0.936	0.951	-1.6	92	0.00
62	T Butyl Acetate	2.406	2.188	9.1	81	0.00
63	T n-Octane	0.697	0.660	5.3	81	0.00
64	T Tetrachloroethene	0.880	1.010	-14.8	99	0.00
65	T Chlorobenzene	1.950	2.054	-5.3	91	0.00
66	T Ethylbenzene	3.276	3.468	-5.9	90	0.00
67	T m- & p-Xylene	2.048	2.268	-10.7	92	0.00
68	T Bromoform	0.651	0.672	-3.2	98	0.00
69	T Styrene	1.970	1.994	-1.2	88	0.00
70	T o-Xylene	2.231	2.435	-9.1	92	-0.01
71	T n-Nonane	1.756	1.636	6.8	79	0.00
72	T 1,1,2,2-Tetrachloroethane	1.219	1.246	-2.2	88	0.00
73	S Bromofluorobenzene (SS3)	0.795	0.896	-12.7	110	0.00
74	T Cumene	2.954	3.252	-10.1	95	0.00
75	T alpha-Pinene	1.610	1.666	-3.5	89	0.00
76	T n-Propylbenzene	3.868	4.152	-7.3	92	0.00
77	T 3-Ethyltoluene	3.183	3.480	-9.3	91	0.00
78	T 4-Ethyltoluene	2.933	3.284	-12.0	95	0.00
79	T 1,3,5-Trimethylbenzene	2.571	2.864	-11.4	94	0.00
80	T alpha-Methylstyrene	0.740	0.710	4.1	83	0.00

(#) = Out of Range

07030705.D R2061207.M

Tue Jul 03 17:01:19 2007

8 7/3 L7
B/H/10/

Page 212

Data File : J:\MS02\DATA\2007_07\03\07030705.D
Acq On : 3 Jul 2007 12:44
Sample : 1ng CRQL Std
Misc : S15-06180707/S15-06290704
MS Integration Params: rteint.p

Vial: 1
Operator: CH/ST
Inst : MS 02
Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
Last Update : Wed Jun 13 10:56:47 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
81 T	2-Ethyltoluene	3.219	3.549	-10.3	93	0.00
82 T	1,2,4-Trimethylbenzene	2.425	2.848	-17.4	93	0.00
83 T	n-Decane	1.731	1.641	5.2	79	0.00
84 T	Benzyl Chloride	2.297	2.255	1.8	87	0.00
85 T	1,3-Dichlorobenzene	1.641	1.833	-11.7	94	0.00
86 T	1,4-Dichlorobenzene	1.634	1.818	-11.3	94	0.00
87 T	sec-Butylbenzene	3.415	3.741	-9.5	91	0.00
88 T	p-Isopropyltoluene	2.714	3.187	-17.4	94	0.00
89 T	1,2,3-Trimethylbenzene	2.336	2.703	-15.7	93	0.00
90 T	1,2-Dichlorobenzene	1.497	1.709	-14.2	93	0.00
91 T	d-Limonene	1.099	0.962	12.5	72	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.611	0.584	4.4	93	0.00
93 T	n-Undecane	1.798	1.540	14.3	71	0.00
94 T	1,2,4-Trichlorobenzene	0.328	0.303	7.6	83	0.00
95 T	Naphthalene	3.326	3.190	4.1	89	0.01
96 T	n-Dodecane	1.562	1.485	4.9	77	0.00
97 T	Hexachloro-1,3-butadiene	0.641	0.678	-5.8	91	0.00

Data File : J:\MS02\DATA\2007_07\03\07030716.D
 Acq On : 3 Jul 2007 21:00
 Sample : 25ng TO-15 CCV
 Misc : S15-06180707/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	87	0.00
2	T Propene	1.508	1.189	21.2	73	0.00
3	T Dichlorodifluoromethane	2.583	2.801	-8.4	98	0.00
4	T Chloromethane	2.466	1.942	21.2	68	0.00
5	T Freon 114	0.849	0.844	0.6	86	0.01
6	T Vinyl Chloride	1.676	1.754	-4.7	85	0.00
7	T 1,3-Butadiene	1.454	1.354	6.9	83	0.00
8	T Bromomethane	1.359	1.398	-2.9	91	0.01
9	T Chloroethane	1.141	1.031	9.6	82	0.01
10	T Ethanol	0.850	0.810	4.7	87	0.00
11	T Acetonitrile	2.855	2.412	15.5	74	0.00
12	T Acrolein	0.839	0.757	9.8	80	0.00
13	T Acetone	1.301	0.971	25.4	81	0.00
14	T Trichlorofluoromethane	1.686	1.836	-8.9	96	0.00
15	T Isopropanol	3.658	3.644	0.4	83	0.00
16	T Acrylonitrile	1.773	1.631	8.0	77	0.00
17	T 1,1-Dichloroethene	1.187	1.177	0.8	88	0.00
18	T tert-Butanol	3.465	3.351	3.3	89	0.00
19	T Methylene Chloride	1.396	1.333	4.5	86	0.00
20	T Allyl Chloride	1.846	1.700	7.9	78	0.00
21	T Trichlorotrifluoroethane	1.059	1.137	-7.4	94	0.01
22	T Carbon Disulfide	5.500	4.921	10.5	83	0.00
23	T trans-1,2-Dichloroethene	2.013	2.055	-2.1	88	0.01
24	T 1,1-Dichloroethane	1.991	1.934	2.9	87	0.00
25	T Methyl tert-Butyl Ether	3.660	3.878	-6.0	94	0.00
26	T Vinyl Acetate	0.239	0.299	-25.1	111	0.01
27	T 2-Butanone	0.876	0.814	7.1	83	0.00
28	T cis-1,2-Dichloroethene	1.894	1.880	0.7	87	0.00
29	T Diisopropyl Ether	0.924	0.949	-2.7	89	0.01
30	T Ethyl Acetate	0.441	0.421	4.5	82	0.00
31	T n-Hexane	2.101	1.930	8.1	82	0.01
32	T Chloroform	1.760	1.801	-2.3	92	0.00
33	S 1,2-Dichloroethane-d4 (SS1)	1.465	1.553	-6.0	93	0.01
34	T Tetrahydrofuran	0.819	0.773	5.6	84	0.00
35	T Ethyl tert-Butyl Ether	1.384	1.463	-5.7	91	0.01
36	T 1,2-Dichloroethane	1.796	2.056	-14.5	99	0.00
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	84	0.00
38	T 1,1,1-Trichloroethane	0.489	0.562	-14.9	98	0.01
39	T Isopropyl Acetate	0.255	0.236	7.5	79	0.00
40	T 1-Butanol	0.288	0.248	13.9	74	0.00

(#) = Out of Range

07030716.D R2061207.M

Thu Jul 05 16:26:37 2007

8/18/07
B7567

214

Page 1

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\03\07030716.D Vial: 1
 Acq On : 3 Jul 2007 21:00 Operator: CH/ST
 Sample : 25ng TO-15 CCV Inst : MS 02
 Misc : S15-06180707/S15-06290701 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	T Benzene	1.319	1.248	5.4	85	0.01
42	T Carbon Tetrachloride	0.346	0.373	-7.8	83	0.01
43	T Cyclohexane	0.476	0.467	1.9	86	0.00
44	T tert-Amyl Methyl Ether	0.997	1.030	-3.3	88	0.00
45	T 1,2-Dichloropropane	0.363	0.333	8.3	79	0.00
46	T Bromodichloromethane	0.427	0.480	-12.4	94	0.00
47	T Trichloroethene	0.363	0.391	-7.7	92	0.00
48	T 1,4-Dioxane	0.251	0.252	-0.4	86	0.00
49	T Isooctane	1.437	1.352	5.9	81	0.01
50	T Methyl Methacrylate	0.153	0.165	-7.8	88	0.00
51	T n-Heptane	0.340	0.325	4.4	82	0.00
52	T cis-1,3-Dichloropropene	0.551	0.573	-4.0	87	0.00
53	T 4-Methyl-2-pentanone	0.337	0.306	9.2	79	0.00
54	T trans-1,3-Dichloropropene	0.508	0.542	-6.7	89	0.00
55	T 1,1,2-Trichloroethane	0.337	0.340	-0.9	86	0.00
56	I Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	89	0.01
57	S Toluene-d8 (SS2)	2.327	2.212	4.9	85	0.00
58	T Toluene	2.833	2.689	5.1	88	0.00
59	T 2-Hexanone	2.217	1.829	17.5	77	0.00
60	T Dibromochloromethane	0.886	0.948	-7.0	93	0.00
61	T 1,2-Dibromoethane	0.936	0.928	0.9	88	0.00
62	T Butyl Acetate	2.406	1.982	17.6	76	0.00
63	T n-Octane	0.697	0.598	14.2	80	0.00
64	T Tetrachloroethene	0.880	0.913	-3.8	94	0.00
65	T Chlorobenzene	1.950	1.882	3.5	88	0.00
66	T Ethylbenzene	3.276	3.177	3.0	89	0.00
67	T m- & p-Xylene	2.048	2.043	0.2	92	0.01
68	T Bromoform	0.651	0.719	-10.4	94	0.00
69	T Styrene	1.970	1.920	2.5	87	0.00
70	T o-Xylene	2.231	2.193	1.7	90	0.00
71	T n-Nonane	1.756	1.488	15.3	77	0.00
72	T 1,1,2,2-Tetrachloroethane	1.219	1.126	7.6	83	0.00
73	S Bromofluorobenzene (SS3)	0.795	0.879	-10.6	97	0.00
74	T Cumene	2.954	2.944	0.3	89	0.00
75	T alpha-Pinene	1.610	1.608	0.1	89	0.00
76	T n-Propylbenzene	3.868	3.779	2.3	87	0.00
77	T 3-Ethyltoluene	3.183	3.114	2.2	87	0.00
78	T 4-Ethyltoluene	2.933	2.944	-0.4	92	0.00
79	T 1,3,5-Trimethylbenzene	2.571	2.538	1.3	90	0.00
80	T alpha-Methylstyrene	0.740	0.752	-1.6	90	0.00

(#= Out of Range

07030716.D R2061207.M

Thu Jul 05 16:26:39 2007

85 7/5/07 1.7
JB 7/5/07

Page 2

215

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\03\07030716.D Vial: 1
 Acq On : 3 Jul 2007 21:00 Operator: CH/ST
 Sample : 25ng TO-15 CCV Inst : MS 02
 Misc : S15-06180707/S15-06290701 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
81 T	2-Ethyltoluene	3.219	3.193	0.8	88	0.00
82 T	1,2,4-Trimethylbenzene	2.425	2.418	0.3	92	0.00
83 T	n-Decane	1.731	1.474	14.8	77	0.00
84 T	Benzyl Chloride	2.297	2.339	-1.8	89	0.00
85 T	1,3-Dichlorobenzene	1.641	1.667	-1.6	91	0.00
86 T	1,4-Dichlorobenzene	1.634	1.638	-0.2	90	0.00
87 T	sec-Butylbenzene	3.415	3.271	4.2	85	0.00
88 T	p-Isopropyltoluene	2.714	2.749	-1.3	91	0.00
89 T	1,2,3-Trimethylbenzene	2.336	2.337	-0.0	89	0.00
90 T	1,2-Dichlorobenzene	1.497	1.523	-1.7	92	0.00
91 T	d-Limonene	1.099	1.001	8.9	83	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.611	0.666	-9.0	90	0.00
93 T	n-Undecane	1.798	1.456	19.0	73	0.00
94 T	1,2,4-Trichlorobenzene	0.328	0.356	-8.5	93	0.00
95 T	Naphthalene	3.326	3.248	2.3	83	0.00
96 T	n-Dodecane	1.562	1.206	22.8	71	0.00
97 T	Hexachloro-1,3-butadiene	0.641	0.675	-5.3	95	0.00

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_07\03\
 Data File : 07030701.D
 Acq On : 3 Jul 2007 9:02
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 09:28:31 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1 IR	Bromochloromethane (IS1)	1.000	1.000	0.0	102	0.01
2 T	Propene	3.575	2.933	18.0	99	0.00
3 T	Dichlorodifluoromethane	4.170	3.843	7.8	92	0.00
4 T	Chloromethane	4.758	5.502	-15.6	105	0.00
5 T	Freon 114	1.340	1.402	-4.6	105	0.00
6 T	Vinyl Chloride	3.929	4.208	-7.1	105	0.00
7 T	1,3-Butadiene	3.086	3.896	-26.2	118	0.00
8 T	Bromomethane	1.436	1.431	0.3	99	0.00
9 T	Chloroethane	1.679	1.761	-4.9	104	0.00
10 T	Ethanol	2.012	2.355	-17.0	113	0.01
11 T	Acetonitrile	5.525	5.585	-1.1	100	0.01
12 T	Acrolein	1.751	1.924	-9.9	99	0.00
13 T	Acetone	3.156	2.447	22.5	101	0.01
14 T	Trichlorofluoromethane	3.344	3.030	9.4	92	0.00
15 T	Isopropanol	7.488	8.015	-7.0	100	0.01
16 T	Acrylonitrile	4.032	4.226	-4.8	101	0.00
17 T	1,1-Dichloroethene	1.810	1.643	9.2	91	0.00
18 T	tert-Butanol	7.739	7.161	7.5	96	0.01
19 T	Methylene Chloride	2.052	1.758	14.3	91	0.00
20 T	Allyl Chloride	2.592	2.965	-14.4	113	0.00
21 T	Trichlorotrifluoroethane	1.197	1.079	9.9	93	0.01
22 T	Carbon Disulfide	8.271	6.860	17.1	93	0.00
23 T	trans-1,2-Dichloroethene	4.041	3.765	6.8	92	0.01
24 T	1,1-Dichloroethane	4.473	4.343	2.9	95	0.00
25 T	Methyl tert-Butyl Ether	5.901	5.218	11.6	88	0.00
26 T	Vinyl Acetate	0.365	0.384	-5.2	98	0.01
27 T	2-Butanone	1.493	1.211	18.9	88	0.01
28 T	cis-1,2-Dichloroethene	3.707	3.472	6.3	92	0.00
29 T	Diisopropyl Ether	1.606	1.422	11.5	90	0.00
30 T	Ethyl Acetate	1.106	0.946	14.5	94	0.00
31 T	n-Hexane	5.388	5.085	5.6	96	0.00
32 T	Chloroform	3.087	2.781	9.9	90	0.00
33 S	1,2-Dichloroethane-d4 (SS1)	2.563	2.504	2.3	98	0.00
34 T	Tetrahydrofuran	1.311	1.173	10.5	88	0.00
35 T	Ethyl tert-Butyl Ether	2.330	2.078	10.8	88	0.00
36 T	1,2-Dichloroethane	3.498	3.212	8.2	91	0.00
37 IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	97	0.00
38 T	1,1,1-Trichloroethane	0.611	0.587	3.9	90	0.00
39 T	Isopropyl Acetate	0.387	0.384	0.8	93	0.00
40 T	1-Butanol	0.525	0.567	-8.0	95	0.00
41 T	Benzene	1.606	1.459	9.2	88	0.00
42 T	Carbon Tetrachloride	0.478	0.456	4.6	89	0.00
43 T	Cyclohexane	0.623	0.565	9.3	88	0.00
44 T	tert-Amyl Methyl Ether	1.169	1.080	7.6	87	0.00
45 T	1,2-Dichloropropane	0.552	0.546	1.1	93	0.00
46 T	Bromodichloromethane	0.526	0.506	3.8	88	0.00
47 T	Trichloroethene	0.326	0.307	5.8	91	0.00
48 T	1,4-Dioxane	0.339	0.279	17.7	88	0.00
49 T	Isooctane	2.635	2.688	-2.0	94	0.00
50 T	Methyl Methacrylate	0.146	0.135	7.5	86	0.00
51 T	n-Heptane	0.434	0.390	10.1	86	0.00

C-7/31/7

217

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_07\03\
 Data File : 07030701.D
 Acq On : 3 Jul 2007 9:02
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 09:28:31 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.673	0.635	5.6	87	0.00
53 T	4-Methyl-2-pentanone	0.603	0.586	2.8	95	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.583	5.4	87	0.00
55 T	1,1,2-Trichloroethane	0.376	0.355	5.6	89	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	96	0.00
57 S	Toluene-d8 (SS2)	2.194	2.163	1.4	96	0.00
58 T	Toluene	2.792	2.555	8.5	88	0.00
59 T	2-Hexanone	2.881	2.447	15.1	94	0.00
60 T	Dibromochloromethane	0.622	0.600	3.5	90	0.00
61 T	1,2-Dibromoethane	0.685	0.638	6.9	89	0.00
62 T	Butyl Acetate	3.014	2.783	7.7	94	0.00
63 T	n-Octane	0.960	0.959	0.1	93	0.00
64 T	Tetrachloroethene	0.580	0.551	5.0	92	0.00
65 T	Chlorobenzene	1.603	1.478	7.8	88	0.00
66 T	Ethylbenzene	3.219	2.998	6.9	88	0.00
67 T	m- & p-Xylene	2.092	1.955	6.5	88	0.00
68 T	Bromoform	0.400	0.400	0.0	91	0.00
69 T	Styrene	1.716	1.586	7.6	86	0.00
70 T	o-Xylene	2.280	2.110	7.5	87	0.00
71 T	n-Nonane	2.130	2.200	-3.3	93	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	1.032	4.4	89	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.606	-7.1	105	0.00
74 T	Cumene	2.666	2.502	6.2	87	0.00
75 T	alpha-Pinene	1.597	1.475	7.6	85	0.00
76 T	n-Propylbenzene	3.818	3.694	3.2	88	0.00
77 T	3-Ethyltoluene	2.859	2.756	3.6	87	0.00
78 T	4-Ethyltoluene	2.684	2.462	8.3	87	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.202	8.4	87	0.00
80 T	alpha-Methylstyrene	1.232	1.110	9.9	83	0.00
81 T	2-Ethyltoluene	2.926	2.751	6.0	87	0.00
82 T	1,2,4-Trimethylbenzene	2.390	2.225	6.9	87	0.00
83 T	n-Decane	2.352	2.402	-2.1	92	0.00
84 T	Benzyl Chloride	2.461	2.389	2.9	86	0.00
85 T	1,3-Dichlorobenzene	1.192	1.138	4.5	89	0.00
86 T	1,4-Dichlorobenzene	1.168	1.115	4.5	89	0.00
87 T	sec-Butylbenzene	3.142	3.019	3.9	87	0.00
88 T	p-Isopropyltoluene	2.464	2.418	1.9	88	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.203	4.4	87	0.00
90 T	1,2-Dichlorobenzene	1.112	1.070	3.8	90	0.00
91 T	d-Limonene	1.135	1.031	9.2	82	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.400	-5.5	89	0.00
93 T	n-Undecane	2.406	2.522	-4.8	91	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.242	0.0	90	0.00
95 T	Naphthalene	2.872	2.910	-1.3	88	0.00
96 T	n-Dodecane	2.350	2.509	-6.8	91	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.494	0.4	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : J:\MS08\Data\2007_07\03\
 Data File : 07030703.D
 Acq On : 3 Jul 2007 10:33
 Operator : SC
 Sample : 1ng TO-15 CRQL STD
 Misc : S15-06190701/S15-06120706
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 11:06:05 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	86 -0.02
2	T	Propene	3.575	3.413	4.5	70 0.03
3	T	Dichlorodifluoromethane	4.170	4.360	-4.6	85 0.02
4	T	Chloromethane	4.758	6.189	-30.1#	98 0.01
5	T	Freon 114	1.340	1.535	-14.6	100 0.02
6	T	Vinyl Chloride	3.929	4.622	-17.6	100 0.00
7	T	1,3-Butadiene	3.086	3.984	-29.1	116 0.00
8	T	Bromomethane	1.436	1.633	-13.7	95 0.00
9	T	Chloroethane	1.679	1.988	-18.4	98 0.00
10	T	Ethanol	2.012	3.455	-71.7#	145 -0.03
11	T	Acetonitrile	5.525	7.555	-36.7#	109 -0.02
12	T	Acrolein	1.751	2.308	-31.8#	118 0.00
13	T	Acetone	3.156	3.927	-24.4	77 0.00
14	T	Trichlorofluoromethane	3.344	3.377	-1.0	84 0.00
15	T	Isopropanol	7.488	9.275	-23.9	96 -0.03
16	T	Acrylonitrile	4.032	4.798	-19.0	101 -0.02
17	T	1,1-Dichloroethene	1.810	1.743	3.7	82 0.00
18	T	tert-Butanol	7.739	7.922	-2.4	81 -0.02
19	T	Methylene Chloride	2.052	2.074	-1.1	79 -0.02
20	T	Allyl Chloride	2.592	3.055	-17.9	101 -0.01
21	T	Trichlorotrifluoroethane	1.197	1.207	-0.8	85 0.00
22	T	Carbon Disulfide	8.271	9.777	-18.2	90 0.00
23	T	trans-1,2-Dichloroethene	4.041	4.092	-1.3	84 -0.01
24	T	1,1-Dichloroethane	4.473	4.862	-8.7	88 -0.02
25	T	Methyl tert-Butyl Ether	5.901	5.705	3.3	80 0.00
26	T	Vinyl Acetate	0.365	0.310	15.1	77 0.00
27	T	2-Butanone	1.493	1.443	3.3	73 -0.01
28	T	cis-1,2-Dichloroethene	3.707	3.834	-3.4	87 -0.03
29	T	Diisopropyl Ether	1.606	1.479	7.9	76 -0.01
30	T	Ethyl Acetate	1.106	1.081	2.3	75 -0.01
31	T	n-Hexane	5.388	5.554	-3.1	85 0.00
32	T	Chloroform	3.087	3.034	1.7	82 -0.03
33	S	1,2-Dichloroethane-d4 (SS1)	2.563	2.635	-2.8	86 -0.01
34	T	Tetrahydrofuran	1.311	1.329	-1.4	85 0.00
35	T	Ethyl tert-Butyl Ether	2.330	2.159	7.3	77 0.00
36	T	1,2-Dichloroethane	3.498	3.483	0.4	83 -0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	82 -0.01
38	T	1,1,1-Trichloroethane	0.611	0.615	-0.7	83 -0.01
39	T	Isopropyl Acetate	0.387	0.389	-0.5	80 -0.01
40	T	1-Butanol	0.525	0.709	-35.0#	117 0.00
41	T	Benzene	1.606	1.611	-0.3	79 -0.01
42	T	Carbon Tetrachloride	0.478	0.470	1.7	81 -0.01
43	T	Cyclohexane	0.623	0.622	0.2	84 -0.01
44	T	tert-Amyl Methyl Ether	1.169	1.123	3.9	76 0.00
45	T	1,2-Dichloropropane	0.552	0.583	-5.6	88 0.00
46	T	Bromodichloromethane	0.526	0.522	0.8	81 0.00
47	T	Trichloroethene	0.326	0.312	4.3	74 -0.01
48	T	1,4-Dioxane	0.339	0.300	11.5	64 0.00
49	T	Isooctane	2.635	2.891	-9.7	88 0.00
50	T	Methyl Methacrylate	0.146	0.138	5.5	77 0.00
51	T	n-Heptane	0.434	0.414	4.6	78 -0.01

✓ 7/2/07

219

Data Path : J:\MS08\Data\2007_07\03\
 Data File : 07030703.D
 Acq On : 3 Jul 2007 10:33
 Operator : SC
 Sample : 1ng TO-15 CRQL STD
 Misc : S15-06190701/S15-06120706
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 11:06:05 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.673	0.662	1.6	80	0.00
53 T	4-Methyl-2-pentanone	0.603	0.604	-0.2	78	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.584	5.2	79	0.00
55 T	1,1,2-Trichloroethane	0.376	0.376	0.0	80	-0.01
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	85	0.00
57 S	Toluene-d8 (SS2)	2.194	2.157	1.7	83	0.00
58 T	Toluene	2.792	2.757	1.3	80	0.00
59 T	2-Hexanone	2.881	2.680	7.0	66	0.00
60 T	Dibromochloromethane	0.622	0.600	3.5	87	0.00
61 T	1,2-Dibromoethane	0.685	0.639	6.7	79	0.00
62 T	Butyl Acetate	3.014	2.980	1.1	74	0.00
63 T	n-Octane	0.960	1.010	-5.2	87	0.00
64 T	Tetrachloroethene	0.580	0.557	4.0	80	0.00
65 T	Chlorobenzene	1.603	1.551	3.2	79	0.00
66 T	Ethylbenzene	3.219	3.092	3.9	79	0.00
67 T	m- & p-Xylene	2.092	2.025	3.2	79	-0.01
68 T	Bromoform	0.400	0.383	4.3	85	0.00
69 T	Styrene	1.716	1.547	9.8	78	0.00
70 T	o-Xylene	2.280	2.173	4.7	79	0.00
71 T	n-Nonane	2.130	2.314	-8.6	89	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	1.069	0.9	84	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.592	-4.6	90	0.00
74 T	Cumene	2.666	2.569	3.6	81	0.00
75 T	alpha-Pinene	1.597	1.452	9.1	77	0.00
76 T	n-Propylbenzene	3.818	3.761	1.5	81	0.00
77 T	3-Ethyltoluene	2.859	2.711	5.2	80	0.00
78 T	4-Ethyltoluene	2.684	2.607	2.9	81	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.265	5.7	78	0.00
80 T	alpha-Methylstyrene	1.232	0.972	21.1	68	0.00
81 T	2-Ethyltoluene	2.926	2.797	4.4	80	0.00
82 T	1,2,4-Trimethylbenzene	2.390	2.294	4.0	79	-0.01
83 T	n-Decane	2.352	2.425	-3.1	88	0.00
84 T	Benzyl Chloride	2.461	2.280	7.4	80	0.00
85 T	1,3-Dichlorobenzene	1.192	1.181	0.9	83	0.00
86 T	1,4-Dichlorobenzene	1.168	1.118	4.3	84	0.00
87 T	sec-Butylbenzene	3.142	3.046	3.1	81	0.00
88 T	p-Isopropyltoluene	2.464	2.392	2.9	82	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.223	3.6	82	0.00
90 T	1,2-Dichlorobenzene	1.112	1.100	1.1	83	0.00
91 T	d-Limonene	1.135	0.933	17.8	68	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.372	1.8	95	0.00
93 T	n-Undecane	2.406	2.552	-6.1	91	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.242	0.0	89	0.00
95 T	Naphthalene	2.872	2.929	-2.0	91	0.00
96 T	n-Dodecane	2.350	2.502	-6.5	94	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.490	1.2	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

220

Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_07\03\
 Data File : 07030715.D
 Acq On : 3 Jul 2007 19:19
 Operator : SC
 Sample : 25ng TO-15 CCV STD (CLOSING)
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 09:02:34 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 IR	Bromochloromethane (IS1)	1.000	1.000	0.0	133	0.00
2 T	Propene	3.575	2.271	36.5#	100	0.00
3 T	Dichlorodifluoromethane	4.170	3.393	18.6	106	0.01
4 T	Chloromethane	4.758	4.159	12.6	104	0.00
5 T	Freon 114	1.340	1.201	10.4	118	0.00
6 T	Vinyl Chloride	3.929	3.180	19.1	104	0.00
7 T	1,3-Butadiene	3.086	2.905	5.9	116	0.00
8 T	Bromomethane	1.436	1.296	9.7	117	0.00
9 T	Chloroethane	1.679	1.415	15.7	109	0.00
10 T	Ethanol	2.012	1.625	19.2	102	0.00
11 T	Acetonitrile	5.525	4.537	17.9	106	0.00
12 T	Acrolein	1.751	1.739	0.7	118	0.00
13 T	Acetone	3.156	2.190	30.6#	119	0.00
14 T	Trichlorofluoromethane	3.344	3.005	10.1	120	0.00
15 T	Isopropanol	7.488	6.511	13.0	107	0.00
16 T	Acrylonitrile	4.032	3.642	9.7	114	0.00
17 T	1,1-Dichloroethene	1.810	1.607	11.2	117	0.00
18 T	tert-Butanol	7.739	6.366	17.7	111	0.00
19 T	Methylene Chloride	2.052	1.673	18.5	114	0.00
20 T	Allyl Chloride	2.592	2.339	9.8	117	0.00
21 T	Trichlorotrifluoroethane	1.197	1.111	7.2	125	0.00
22 T	Carbon Disulfide	8.271	6.330	23.5	112	0.00
23 T	trans-1,2-Dichloroethene	4.041	3.451	14.6	111	0.00
24 T	1,1-Dichloroethane	4.473	3.905	12.7	112	0.00
25 T	Methyl tert-Butyl Ether	5.901	4.981	15.6	110	0.00
26 T	Vinyl Acetate	0.365	0.384	-5.2	128	0.00
27 T	2-Butanone	1.493	1.125	24.6	108	0.00
28 T	cis-1,2-Dichloroethene	3.707	3.163	14.7	110	0.00
29 T	Diisopropyl Ether	1.606	1.373	14.5	114	0.00
30 T	Ethyl Acetate	1.106	0.846	23.5	110	0.00
31 T	n-Hexane	5.388	4.474	17.0	111	0.00
32 T	Chloroform	3.087	2.671	13.5	113	0.00
33 S	1,2-Dichloroethane-d4 (SS1)	2.563	2.315	9.7	118	0.00
34 T	Tetrahydrofuran	1.311	1.082	17.5	106	0.00
35 T	Ethyl tert-Butyl Ether	2.330	2.054	11.8	114	0.00
36 T	1,2-Dichloroethane	3.498	2.874	17.8	107	0.00
37 IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	125	0.00
38 T	1,1,1-Trichloroethane	0.611	0.591	3.3	117	0.00
39 T	Isopropyl Acetate	0.387	0.352	9.0	110	0.00
40 T	1-Butanol	0.525	0.512	2.5	111	0.00
41 T	Benzene	1.606	1.395	13.1	108	0.00
42 T	Carbon Tetrachloride	0.478	0.467	2.3	118	0.00
43 T	Cyclohexane	0.623	0.553	11.2	111	0.00
44 T	tert-Amyl Methyl Ether	1.169	1.054	9.8	109	0.00
45 T	1,2-Dichloropropane	0.552	0.503	8.9	110	0.00
46 T	Bromodichloromethane	0.526	0.494	6.1	111	0.00
47 T	Trichloroethene	0.326	0.314	3.7	119	0.00
48 T	1,4-Dioxane	0.339	0.274	19.2	111	0.00
49 T	Isooctane	2.635	2.406	8.7	109	0.00
50 T	Methyl Methacrylate	0.146	0.141	3.4	116	0.00
51 T	n-Heptane	0.434	0.372	14.3	106	0.00

E-7517

221

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_07\03\
 Data File : 07030715.D
 Acq On : 3 Jul 2007 19:19
 Operator : SC
 Sample : 25ng TO-15 CCV STD (CLOSING)
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 09:02:34 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.673	0.615	8.6	108	0.00
53 T	4-Methyl-2-pentanone	0.603	0.521	13.6	109	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.570	7.5	109	0.00
55 T	1,1,2-Trichloroethane	0.376	0.347	7.7	112	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	122	0.00
57 S	Toluene-d8 (SS2)	2.194	2.199	-0.2	123	0.00
58 T	Toluene	2.792	2.557	8.4	111	0.00
59 T	2-Hexanone	2.881	2.011	30.2#	98	0.00
60 T	Dibromochloromethane	0.622	0.630	-1.3	119	0.00
61 T	1,2-Dibromoethane	0.685	0.653	4.7	115	0.00
62 T	Butyl Acetate	3.014	2.302	23.6	98	0.00
63 T	n-Octane	0.960	0.884	7.9	109	0.00
64 T	Tetrachloroethene	0.580	0.578	0.3	122	0.00
65 T	Chlorobenzene	1.603	1.493	6.9	112	0.00
66 T	Ethylbenzene	3.219	3.001	6.8	111	0.00
67 T	m- & p-Xylene	2.092	1.954	6.6	111	0.00
68 T	Bromoform	0.400	0.424	-6.0	122	0.00
69 T	Styrene	1.716	1.603	6.6	110	0.00
70 T	o-Xylene	2.280	2.104	7.7	110	0.00
71 T	n-Nonane	2.130	1.835	13.8	98	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	0.997	7.6	108	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.617	-9.0	135	0.00
74 T	Cumene	2.666	2.528	5.2	111	0.00
75 T	alpha-Pinene	1.597	1.483	7.1	108	0.00
76 T	n-Propylbenzene	3.818	3.617	5.3	109	0.00
77 T	3-Ethyltoluene	2.859	2.691	5.9	108	0.00
78 T	4-Ethyltoluene	2.684	2.537	5.5	114	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.227	7.3	111	0.00
80 T	alpha-Methylstyrene	1.232	1.110	9.9	104	0.00
81 T	2-Ethyltoluene	2.926	2.748	6.1	110	0.00
82 T	1,2,4-Trimethylbenzene	2.390	2.208	7.6	110	0.00
83 T	n-Decane	2.352	2.188	7.0	106	0.00
84 T	Benzyl Chloride	2.461	2.357	4.2	107	0.00
85 T	1,3-Dichlorobenzene	1.192	1.143	4.1	113	0.00
86 T	1,4-Dichlorobenzene	1.168	1.123	3.9	113	0.00
87 T	sec-Butylbenzene	3.142	2.973	5.4	108	0.00
88 T	p-Isopropyltoluene	2.464	2.379	3.4	109	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.168	5.9	108	0.00
90 T	1,2-Dichlorobenzene	1.112	1.064	4.3	112	0.00
91 T	d-Limonene	1.135	0.967	14.8	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.400	-5.5	112	0.00
93 T	n-Undecane	2.406	2.280	5.2	103	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.240	0.8	113	0.00
95 T	Naphthalene	2.872	2.802	2.4	106	0.00
96 T	n-Dodecane	2.350	2.252	4.2	103	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.500	-0.8	117	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

222

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\05\07050702.D
 Acq On : 5 Jul 2007 10:32
 Sample : 25ng TO-15 CCV Std
 Misc : S15-06180707/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	88	0.01
2	T Propene	1.508	1.269	15.8	79	0.01
3	T Dichlorodifluoromethane	2.583	2.824	-9.3	100	0.01
4	T Chloromethane	2.466	2.122	13.9	75	0.01
5	T Freon 114	0.849	0.877	-3.3	90	0.02
6	T Vinyl Chloride	1.676	1.735	-3.5	85	0.01
7	T 1,3-Butadiene	1.454	1.441	0.9	89	0.01
8	T Bromomethane	1.359	1.441	-6.0	96	0.02
9	T Chloroethane	1.141	1.091	4.4	88	0.02
10	T Ethanol	0.850	0.859	-1.1	93	0.01
11	T Acetonitrile	2.855	2.572	9.9	80	0.01
12	T Acrolein	0.839	0.800	4.6	86	0.01
13	T Acetone	1.301	1.030	20.8	87	0.00
14	T Trichlorofluoromethane	1.686	1.819	-7.9	96	0.01
15	T Isopropanol	3.658	3.784	-3.4	88	0.01
16	T Acrylonitrile	1.773	1.718	3.1	82	0.01
17	T 1,1-Dichloroethene	1.187	1.213	-2.2	92	0.01
18	T tert-Butanol	3.465	3.387	2.3	92	0.01
19	T Methylene Chloride	1.396	1.369	1.9	89	0.00
20	T Allyl Chloride	1.846	1.786	3.3	83	0.01
21	T Trichlorotrifluoroethane	1.059	1.157	-9.3	98	0.02
22	T Carbon Disulfide	5.500	5.126	6.8	88	0.01
23	T trans-1,2-Dichloroethene	2.013	2.105	-4.6	92	0.01
24	T 1,1-Dichloroethane	1.991	2.018	-1.4	92	0.01
25	T Methyl tert-Butyl Ether	3.660	3.917	-7.0	97	0.01
26	T Vinyl Acetate	0.239	0.310	-29.7	117	0.01
27	T 2-Butanone	0.876	0.840	4.1	87	0.00
28	T cis-1,2-Dichloroethene	1.894	1.928	-1.8	91	0.01
29	T Diisopropyl Ether	0.924	0.975	-5.5	93	0.02
30	T Ethyl Acetate	0.441	0.440	0.2	87	0.01
31	T n-Hexane	2.101	1.995	5.0	86	0.01
32	T Chloroform	1.760	1.852	-5.2	96	0.01
33	S 1,2-Dichloroethane-d4 (SS1)	1.465	1.539	-5.1	93	0.01
34	T Tetrahydrofuran	0.819	0.791	3.4	87	0.00
35	T Ethyl tert-Butyl Ether	1.384	1.499	-8.3	95	0.01
36	T 1,2-Dichloroethane	1.796	2.081	-15.9	102	0.01
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	86	0.01
38	T 1,1,1-Trichloroethane	0.489	0.561	-14.7	100	0.01
39	T Isopropyl Acetate	0.255	0.247	3.1	84	0.00
40	T 1-Butanol	0.288	0.258	10.4	78	0.01

(#) = Out of Range

07050702.D R2061207.M

Thu Jul 05 16:05:31 2007

223

Page 1

8/16/07
8/16/07

Data File : J:\MS02\DATA\2007_07\05\07050702.D
 Acq On : 5 Jul 2007 10:32
 Sample : 25ng TO-15 CCV Std
 Misc : S15-06180707/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
41	T Benzene	1.319	1.268	3.9	88	0.01
42	T Carbon Tetrachloride	0.346	0.370	-6.9	84	0.01
43	T Cyclohexane	0.476	0.479	-0.6	90	0.01
44	T tert-Amyl Methyl Ether	0.997	1.046	-4.9	91	0.00
45	T 1,2-Dichloropropane	0.363	0.342	5.8	83	0.01
46	T Bromodichloromethane	0.427	0.481	-12.6	96	0.00
47	T Trichloroethene	0.363	0.395	-8.8	95	0.01
48	T 1,4-Dioxane	0.251	0.258	-2.8	90	0.00
49	T Isooctane	1.437	1.384	3.7	84	0.01
50	T Methyl Methacrylate	0.153	0.170	-11.1	93	0.01
51	T n-Heptane	0.340	0.335	1.5	87	0.01
52	T cis-1,3-Dichloropropene	0.551	0.583	-5.8	90	0.01
53	T 4-Methyl-2-pentanone	0.337	0.314	6.8	82	0.01
54	T trans-1,3-Dichloropropene	0.508	0.550	-8.3	92	0.01
55	T 1,1,2-Trichloroethane	0.337	0.347	-3.0	90	0.01
56	I Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	91	0.01
57	S Toluene-d8 (SS2)	2.327	2.202	5.4	87	0.00
58	T Toluene	2.833	2.707	4.4	91	0.00
59	T 2-Hexanone	2.217	1.852	16.5	80	0.00
60	T Dibromochloromethane	0.886	0.946	-6.8	95	0.00
61	T 1,2-Dibromoethane	0.936	0.942	-0.6	92	0.00
62	T Butyl Acetate	2.406	2.004	16.7	78	0.00
63	T n-Octane	0.697	0.608	12.8	84	0.01
64	T Tetrachloroethene	0.880	0.919	-4.4	97	0.01
65	T Chlorobenzene	1.950	1.900	2.6	91	0.00
66	T Ethylbenzene	3.276	3.201	2.3	92	0.00
67	T m- & p-Xylene	2.048	2.047	0.0	94	0.02
68	T Bromoform	0.651	0.718	-10.3	97	0.01
69	T Styrene	1.970	1.937	1.7	91	0.00
70	T o-Xylene	2.231	2.189	1.9	93	0.00
71	T n-Nonane	1.756	1.513	13.8	80	0.00
72	T 1,1,2,2-Tetrachloroethane	1.219	1.140	6.5	86	0.01
73	S Bromofluorobenzene (SS3)	0.795	0.899	-13.1	102	0.00
74	T Cumene	2.954	2.964	-0.3	92	0.00
75	T alpha-Pinene	1.610	1.608	0.1	91	0.00
76	T n-Propylbenzene	3.868	3.813	1.4	90	0.00
77	T 3-Ethyltoluene	3.183	3.220	-1.2	92	0.00
78	T 4-Ethyltoluene	2.933	2.865	2.3	92	0.00
79	T 1,3,5-Trimethylbenzene	2.571	2.546	1.0	92	0.00
80	T alpha-Methylstyrene	0.740	0.751	-1.5	92	0.00

(#) = Out of Range

07050702.D R2061207.M

Thu Jul 05 16:05:33 2007

224

8/18/07
AB/107

Page 2

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\05\07050702.D Vial: 1
 Acq On : 5 Jul 2007 10:32 Operator: CH/ST
 Sample : 25ng TO-15 CCV Std Inst : MS 02
 Misc : S15-06180707/S15-06290701 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81 T	2-Ethyltoluene	3.219	3.203	0.5	91	0.00
82 T	1,2,4-Trimethylbenzene	2.425	2.417	0.3	94	0.00
83 T	n-Decane	1.731	1.508	12.9	81	0.00
84 T	Benzyl Chloride	2.297	2.353	-2.4	92	0.00
85 T	1,3-Dichlorobenzene	1.641	1.671	-1.8	94	0.01
86 T	1,4-Dichlorobenzene	1.634	1.649	-0.9	93	0.00
87 T	sec-Butylbenzene	3.415	3.300	3.4	88	0.00
88 T	p-Isopropyltoluene	2.714	2.753	-1.4	93	0.00
89 T	1,2,3-Trimethylbenzene	2.336	2.352	-0.7	92	0.00
90 T	1,2-Dichlorobenzene	1.497	1.531	-2.3	95	0.00
91 T	d-Limonene	1.099	0.998	9.2	85	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.611	0.679	-11.1	94	0.00
93 T	n-Undecane	1.798	1.495	16.9	77	0.00
94 T	1,2,4-Trichlorobenzene	0.328	0.364	-11.0	97	0.00
95 T	Naphthalene	3.326	3.338	-0.4	88	0.00
96 T	n-Dodecane	1.562	1.252	19.8	76	0.00
97 T	Hexachloro-1,3-butadiene	0.641	0.690	-7.6	100	0.00

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\05\07050705.D Vial: 1
 Acq On : 5 Jul 2007 12:43 Operator: CH/ST
 Sample : 1ng CRQL Std Inst : MS 02
 Misc : S15-06180707/S15-06290702 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	85	0.00
2	T Propene	1.508	1.318	12.6	71	0.04
3	T Dichlorodifluoromethane	2.583	3.115	-20.6	99	0.03
4	T Chloromethane	2.466	2.235	9.4	71	0.03
5	T Freon 114	0.849	1.036	-22.0	96	0.03
6	T Vinyl Chloride	1.676	1.950	-16.3	101	0.03
7	T 1,3-Butadiene	1.454	1.413	2.8	83	0.03
8	T Bromomethane	1.359	1.488	-9.5	95	0.03
9	T Chloroethane	1.141	1.102	3.4	81	0.03
10	T Ethanol	0.850	0.825	2.9	84	0.00
11	T Acetonitrile	2.855	2.678	6.2	84	0.02
12	T Acrolein	0.839	0.703	16.2	71	0.02
13	T Acetone	1.301	1.600	-23.0	78	0.00
14	T Trichlorofluoromethane	1.686	1.889	-12.0	98	0.02
15	T Isopropanol	3.658	3.996	-9.2	81	-0.02
16	T Acrylonitrile	1.773	1.645	7.2	85	0.01
17	T 1,1-Dichloroethene	1.187	1.242	-4.6	88	0.02
18	T tert-Butanol	3.465	3.854	-11.2	87	-0.02
19	T Methylene Chloride	1.396	1.403	-0.5	84	0.00
20	T Allyl Chloride	1.846	1.608	12.9	81	0.01
21	T Trichlorotrifluoroethane	1.059	1.214	-14.6	94	0.02
22	T Carbon Disulfide	5.500	6.363	-15.7	94	0.03
23	T trans-1,2-Dichloroethene	2.013	2.000	0.6	86	0.01
24	T 1,1-Dichloroethane	1.991	2.156	-8.3	87	0.00
25	T Methyl tert-Butyl Ether	3.660	4.143	-13.2	93	0.01
26	T Vinyl Acetate	0.239	0.271	-13.4	83	0.00
27	T 2-Butanone	0.876	0.799	8.8	77	0.00
28	T cis-1,2-Dichloroethene	1.894	1.887	0.4	86	0.00
29	T Diisopropyl Ether	0.924	0.984	-6.5	88	0.00
30	T Ethyl Acetate	0.441	0.449	-1.8	81	0.00
31	T n-Hexane	2.101	2.154	-2.5	84	0.01
32	T Chloroform	1.760	1.967	-11.8	92	-0.02
33	S 1,2-Dichloroethane-d4 (SS1)	1.465	1.546	-5.5	92	0.00
34	T Tetrahydrofuran	0.819	0.886	-8.2	86	0.00
35	T Ethyl tert-Butyl Ether	1.384	1.540	-11.3	93	0.00
36	T 1,2-Dichloroethane	1.796	2.111	-17.5	99	0.00
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	82	0.00
38	T 1,1,1-Trichloroethane	0.489	0.587	-20.0	98	0.00
39	T Isopropyl Acetate	0.255	0.243	4.7	75	0.00
40	T 1-Butanol	0.288	0.402	-39.6#	92	0.04 ✓

(#) = Out of Range

07050705.D R2061207.M

Thu Jul 05 16:05:10 2007

226

Page 1

7/15/07
OB 7/15/07

Data File : J:\MS02\DATA\2007_07\05\07050705.D
 Acq On : 5 Jul 2007 12:43
 Sample : 1ng CRQL Std
 Misc : S15-06180707/S15-06290702
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41 T	Benzene	1.319	1.381	-4.7	82	0.00
42 T	Carbon Tetrachloride	0.346	0.198	42.8#	55	0.00
43 T	Cyclohexane	0.476	0.527	-10.7	88	0.00
44 T	tert-Amyl Methyl Ether	0.997	1.069	-7.2	88	0.00
45 T	1,2-Dichloropropane	0.363	0.359	1.1	79	0.00
46 T	Bromodichloromethane	0.427	0.453	-6.1	88	0.00
47 T	Trichloroethene	0.363	0.418	-15.2	90	0.00
48 T	1,4-Dioxane	0.251	0.271	-8.0	86	0.00
49 T	Isooctane	1.437	1.495	-4.0	80	0.00
50 T	Methyl Methacrylate	0.153	0.159	-3.9	89	0.00
51 T	n-Heptane	0.340	0.347	-2.1	81	0.00
52 T	cis-1,3-Dichloropropene	0.551	0.569	-3.3	82	0.00
53 T	4-Methyl-2-pentanone	0.337	0.320	5.0	73	0.00
54 T	trans-1,3-Dichloropropene	0.508	0.501	1.4	85	0.00
55 T	1,1,2-Trichloroethane	0.337	0.356	-5.6	86	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	90	0.00
57 S	Toluene-d8 (SS2)	2.327	2.237	3.9	85	0.00
58 T	Toluene	2.833	3.071	-8.4	87	0.00
59 T	2-Hexanone	2.217	1.917	13.5	71	0.00
60 T	Dibromochloromethane	0.886	0.896	-1.1	87	0.00
61 T	1,2-Dibromoethane	0.936	0.965	-3.1	87	0.00
62 T	Butyl Acetate	2.406	2.115	12.1	73	0.00
63 T	n-Octane	0.697	0.732	-5.0	83	0.00
64 T	Tetrachloroethene	0.880	1.044	-18.6	95	0.00
65 T	Chlorobenzene	1.950	2.118	-8.6	88	0.00
66 T	Ethylbenzene	3.276	3.509	-7.1	85	0.00
67 T	m- & p-Xylene	2.048	2.318	-13.2	88	0.00
68 T	Bromoform	0.651	0.627	3.7	85	0.00
69 T	Styrene	1.970	1.866	5.3	77	0.00
70 T	o-Xylene	2.231	2.511	-12.6	88	0.00
71 T	n-Nonane	1.756	1.676	4.6	76	0.00
72 T	1,1,2,2-Tetrachloroethane	1.219	1.144	6.2	75	0.00
73 S	Bromofluorobenzene (SS3)	0.795	0.899	-13.1	102	0.00
74 T	Cumene	2.954	3.227	-9.2	88	0.00
75 T	alpha-Pinene	1.610	1.503	6.6	74	0.00
76 T	n-Propylbenzene	3.868	4.110	-6.3	85	0.00
77 T	3-Ethyltoluene	3.183	3.499	-9.9	85	0.00
78 T	4-Ethyltoluene	2.933	3.211	-9.5	87	0.00
79 T	1,3,5-Trimethylbenzene	2.571	2.771	-7.8	84	0.00
80 T	alpha-Methylstyrene	0.740	0.446	39.7#	49#	0.00

(#) = Out of Range

07050705.D R2061207.M

Thu Jul 05 16:05:12 2007

227

Page 2

8-7-18-07
8-7-15-07

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\05\07050705.D
 Acq On : 5 Jul 2007 12:43
 Sample : 1ng CRQL Std
 Misc : S15-06180707/S15-06290702
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
81 T	2-Ethyltoluene	3.219	3.527	-9.6	86	0.00
82 T	1,2,4-Trimethylbenzene	2.425	2.766	-14.1	84	0.00
83 T	n-Decane	1.731	1.679	3.0	75	0.00
84 T	Benzyl Chloride	2.297	2.186	4.8	79	0.00
85 T	1,3-Dichlorobenzene	1.641	1.825	-11.2	88	0.00
86 T	1,4-Dichlorobenzene	1.634	1.814	-11.0	87	0.00
87 T	sec-Butylbenzene	3.415	3.746	-9.7	85	0.00
88 T	p-Isopropyltoluene	2.714	3.132	-15.4	86	0.00
89 T	1,2,3-Trimethylbenzene	2.336	2.671	-14.3	86	0.00
90 T	1,2-Dichlorobenzene	1.497	1.670	-11.6	84	0.00
91 T	d-Limonene	1.099	0.495	55.0#	34#	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.611	0.540	11.6	80	0.00
93 T	n-Undecane	1.798	1.623	9.7	70	0.00
94 T	1,2,4-Trichlorobenzene	0.328	0.293	10.7	75	0.01
95 T	Naphthalene	3.326	2.608	21.6	67	0.02
96 T	n-Dodecane	1.562	1.335	14.5	65	0.01
97 T	Hexachloro-1,3-butadiene	0.641	0.674	-5.1	84	0.00

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\05\07050717.D
 Acq On : 5 Jul 2007 21:09
 Sample : 25ng TO-15 CCV Std
 Misc : S15-06180707/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	85	0.00
2	T Propene	1.508	1.307	13.3	79	0.00
3	T Dichlorodifluoromethane	2.583	2.931	-13.5	100	0.00
4	T Chloromethane	2.466	2.182	11.5	75	0.00
5	T Freon 114	0.849	0.913	-7.5	91	0.00
6	T Vinyl Chloride	1.676	1.750	-4.4	83	0.00
7	T 1,3-Butadiene	1.454	1.493	-2.7	89	0.00
8	T Bromomethane	1.359	1.535	-13.0	99	0.00
9	T Chloroethane	1.141	1.136	0.4	88	0.00
10	T Ethanol	0.850	0.901	-6.0	95	0.00
11	T Acetonitrile	2.855	2.682	6.1	81	0.00
12	T Acrolein	0.839	0.830	1.1	87	0.00
13	T Acetone	1.301	1.068	17.9	88	0.00
14	T Trichlorofluoromethane	1.686	1.908	-13.2	98	0.00
15	T Isopropanol	3.658	3.941	-7.7	89	0.00
16	T Acrylonitrile	1.773	1.785	-0.7	83	0.00
17	T 1,1-Dichloroethene	1.187	1.263	-6.4	93	0.00
18	T tert-Butanol	3.465	3.615	-4.3	95	0.00
19	T Methylene Chloride	1.396	1.419	-1.6	90	0.00
20	T Allyl Chloride	1.846	1.861	-0.8	84	0.00
21	T Trichlorotrifluoroethane	1.059	1.200	-13.3	98	0.01
22	T Carbon Disulfide	5.500	5.312	3.4	88	0.00
23	T trans-1,2-Dichloroethene	2.013	2.190	-8.8	93	0.00
24	T 1,1-Dichloroethane	1.991	2.081	-4.5	91	0.00
25	T Methyl tert-Butyl Ether	3.660	4.087	-11.7	98	0.00
26	T Vinyl Acetate	0.239	0.329	-37.7#	120	0.01
27	T 2-Butanone	0.876	0.887	-1.3	89	0.00
28	T cis-1,2-Dichloroethene	1.894	2.016	-6.4	92	0.00
29	T Diisopropyl Ether	0.924	1.015	-9.8	93	0.01
30	T Ethyl Acetate	0.441	0.454	-2.9	87	0.00
31	T n-Hexane	2.101	2.105	-0.2	88	0.01
32	T Chloroform	1.760	1.910	-8.5	95	0.00
33	S 1,2-Dichloroethane-d4 (SS1)	1.465	1.524	-4.0	90	0.01
34	T Tetrahydrofuran	0.819	0.833	-1.7	89	0.00
35	T Ethyl tert-Butyl Ether	1.384	1.553	-12.2	95	0.01
36	T 1,2-Dichloroethane	1.796	2.144	-19.4	102	0.00
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	83	0.00
38	T 1,1,1-Trichloroethane	0.489	0.581	-18.8	100	0.01
39	T Isopropyl Acetate	0.255	0.258	-1.2	85	0.00
40	T 1-Butanol	0.288	0.267	7.3	78	0.01

(#) = Out of Range

07050717.D R2061207.M

Fri Jul 06 13:39:50 2007

W 11/10 85 11/10 229

Page 1

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\05\07050717.D Vial: 1
 Acq On : 5 Jul 2007 21:09 Operator: CH/ST
 Sample : 25ng TO-15 CCV Std Inst : MS 02
 Misc : S15-06180707/S15-06290701 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
41	T	Benzene	1.319	1.339	-1.5	90	0.01
42	T	Carbon Tetrachloride	0.346	0.380	-9.8	83	0.01
43	T	Cyclohexane	0.476	0.500	-5.0	91	0.00
44	T	tert-Amyl Methyl Ether	0.997	1.092	-9.5	92	0.00
45	T	1,2-Dichloropropane	0.363	0.363	0.0	85	0.00
46	T	Bromodichloromethane	0.427	0.500	-17.1	97	0.00
47	T	Trichloroethene	0.363	0.410	-12.9	95	0.01
48	T	1,4-Dioxane	0.251	0.268	-6.8	90	0.00
49	T	Isooctane	1.437	1.462	-1.7	86	0.01
50	T	Methyl Methacrylate	0.153	0.175	-14.4	92	0.00
51	T	n-Heptane	0.340	0.351	-3.2	88	0.00
52	T	cis-1,3-Dichloropropene	0.551	0.607	-10.2	91	0.01
53	T	4-Methyl-2-pentanone	0.337	0.327	3.0	83	0.00
54	T	trans-1,3-Dichloropropene	0.508	0.569	-12.0	92	0.01
55	T	1,1,2-Trichloroethane	0.337	0.361	-7.1	90	0.01
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	90	0.01
57	S	Toluene-d8 (SS2)	2.327	2.163	7.0	84	0.00
58	T	Toluene	2.833	2.771	2.2	92	0.00
59	T	2-Hexanone	2.217	1.902	14.2	81	0.00
60	T	Dibromochloromethane	0.886	0.961	-8.5	95	0.00
61	T	1,2-Dibromoethane	0.936	0.960	-2.6	92	0.00
62	T	Butyl Acetate	2.406	2.060	14.4	79	0.00
63	T	n-Octane	0.697	0.630	9.6	86	0.01
64	T	Tetrachloroethene	0.880	0.932	-5.9	97	0.01
65	T	Chlorobenzene	1.950	1.937	0.7	92	0.01
66	T	Ethylbenzene	3.276	3.275	0.0	93	0.00
67	T	m- & p-Xylene	2.048	2.084	-1.8	95	0.02
68	T	Bromoform	0.651	0.732	-12.4	97	0.01
69	T	Styrene	1.970	1.969	0.1	91	0.00
70	T	o-Xylene	2.231	2.241	-0.4	93	0.00
71	T	n-Nonane	1.756	1.562	11.0	82	0.00
72	T	1,1,2,2-Tetrachloroethane	1.219	1.172	3.9	87	0.01
73	S	Bromofluorobenzene (SS3)	0.795	0.912	-14.7	102	0.00
74	T	Cumene	2.954	3.007	-1.8	92	0.00
75	T	alpha-Pinene	1.610	1.642	-2.0	92	0.00
76	T	n-Propylbenzene	3.868	3.885	-0.4	91	0.00
77	T	3-Ethyltoluene	3.183	3.262	-2.5	92	0.00
78	T	4-Ethyltoluene	2.933	2.946	-0.4	93	0.00
79	T	1,3,5-Trimethylbenzene	2.571	2.619	-1.9	94	0.00
80	T	alpha-Methylstyrene	0.740	0.764	-3.2	92	0.00

(#) = Out of Range

07050717.D R2061207.M

Fri Jul 06 13:39:52 2007

U.S. EPA 4/6/04

Page 2

230

Data File : J:\MS02\DATA\2007_07\05\07050717.D
 Acq On : 5 Jul 2007 21:09
 Sample : 25ng TO-15 CCV Std
 Misc : S15-06180707/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
81	T	2-Ethyltoluene	3.219	3.266	-1.5	92	0.00
82	T	1,2,4-Trimethylbenzene	2.425	2.482	-2.4	95	0.00
83	T	n-Decane	1.731	1.560	9.9	83	0.00
84	T	Benzyl Chloride	2.297	2.438	-6.1	94	0.00
85	T	1,3-Dichlorobenzene	1.641	1.722	-4.9	95	0.01
86	T	1,4-Dichlorobenzene	1.634	1.697	-3.9	94	0.00
87	T	sec-Butylbenzene	3.415	3.410	0.1	90	0.00
88	T	p-Isopropyltoluene	2.714	2.847	-4.9	95	0.00
89	T	1,2,3-Trimethylbenzene	2.336	2.424	-3.8	94	0.00
90	T	1,2-Dichlorobenzene	1.497	1.572	-5.0	96	0.00
91	T	d-Limonene	1.099	1.026	6.6	86	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.611	0.697	-14.1	95	0.00
93	T	n-Undecane	1.798	1.554	13.6	79	0.00
94	T	1,2,4-Trichlorobenzene	0.328	0.368	-12.2	97	0.00
95	T	Naphthalene	3.326	3.421	-2.9	88	0.00
96	T	n-Dodecane	1.562	1.339	14.3	80	0.00
97	T	Hexachloro-1,3-butadiene	0.641	0.695	-8.4	99	0.00

8/12/07

UA 21/11/07

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_07\05\
 Data File : 07050701.D
 Acq On : 5 Jul 2007 9:12
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 09:39:48 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 IR	Bromochloromethane (IS1)	1.000	1.000	0.0	147	0.01
2 T	Propene	3.575	2.313	35.3#	113	0.00
3 T	Dichlorodifluoromethane	4.170	3.435	17.6	119	0.01
4 T	Chloromethane	4.758	4.246	10.8	117	0.00
5 T	Freon 114	1.340	1.240	7.5	134	0.00
6 T	Vinyl Chloride	3.929	3.197	18.6	115	0.00
7 T	1,3-Butadiene	3.086	2.981	3.4	131	0.01
8 T	Bromomethane	1.436	1.305	9.1	130	0.00
9 T	Chloroethane	1.679	1.427	15.0	122	0.00
10 T	Ethanol	2.012	1.638	18.6	113	0.01
11 T	Acetonitrile	5.525	4.650	15.8	120	0.01
12 T	Acrolein	1.751	1.739	0.7	130	0.01
13 T	Acetone	3.156	2.235	29.2	134	0.01
14 T	Trichlorofluoromethane	3.344	3.009	10.0	133	0.00
15 T	Isopropanol	7.488	6.582	12.1	119	0.01
16 T	Acrylonitrile	4.032	3.677	8.8	127	0.01
17 T	1,1-Dichloroethene	1.810	1.604	11.4	129	0.00
18 T	tert-Butanol	7.739	6.363	17.8	123	0.01
19 T	Methylene Chloride	2.052	1.685	17.9	127	0.01
20 T	Allyl Chloride	2.592	2.454	5.3	136	0.01
21 T	Trichlorotrifluoroethane	1.197	1.129	5.7	140	0.01
22 T	Carbon Disulfide	8.271	6.784	18.0	133	0.00
23 T	trans-1,2-Dichloroethene	4.041	3.416	15.5	121	0.01
24 T	1,1-Dichloroethane	4.473	3.899	12.8	124	0.00
25 T	Methyl tert-Butyl Ether	5.901	4.970	15.8	121	0.00
26 T	Vinyl Acetate	0.365	0.391	-7.1	144	0.01
27 T	2-Butanone	1.493	1.132	24.2	120	0.01
28 T	cis-1,2-Dichloroethene	3.707	3.122	15.8	120	0.00
29 T	Diisopropyl Ether	1.606	1.350	15.9	123	0.00
30 T	Ethyl Acetate	1.106	0.843	23.8	121	0.01
31 T	n-Hexane	5.388	4.415	18.1	120	0.00
32 T	Chloroform	3.087	2.646	14.3	123	0.00
33 S	1,2-Dichloroethane-d4 (SS1)	2.563	2.290	10.7	129	0.01
34 T	Tetrahydrofuran	1.311	1.076	17.9	116	0.00
35 T	Ethyl tert-Butyl Ether	2.330	2.006	13.9	123	0.00
36 T	1,2-Dichloroethane	3.498	2.826	19.2	116	0.00
37 IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	138	0.00
38 T	1,1,1-Trichloroethane	0.611	0.577	5.6	126	0.00
39 T	Isopropyl Acetate	0.387	0.348	10.1	120	0.00
40 T	1-Butanol	0.525	0.500	4.8	120	0.00
41 T	Benzene	1.606	1.372	14.6	118	0.00
42 T	Carbon Tetrachloride	0.478	0.455	4.8	127	0.00
43 T	Cyclohexane	0.623	0.544	12.7	121	0.00
44 T	tert-Amyl Methyl Ether	1.169	1.029	12.0	118	0.00
45 T	1,2-Dichloropropane	0.552	0.491	11.1	119	0.00
46 T	Bromodichloromethane	0.526	0.487	7.4	121	0.00
47 T	Trichloroethene	0.326	0.307	5.8	129	0.00
48 T	1,4-Dioxane	0.339	0.265	21.8	119	0.00
49 T	Isooctane	2.635	2.356	10.6	117	0.00
50 T	Methyl Methacrylate	0.146	0.137	6.2	125	0.00
51 T	n-Heptane	0.434	0.364	16.1	115	0.00

C-7/5/07

232

Data Path : J:\MS08\Data\2007_07\05\
 Data File : 07050701.D
 Acq On : 5 Jul 2007 9:12
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 09:39:48 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.673	0.595	11.6	116	0.00
53 T	4-Methyl-2-pentanone	0.603	0.510	15.4	118	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.552	10.4	117	0.00
55 T	1,1,2-Trichloroethane	0.376	0.342	9.0	122	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	131	0.00
57 S	Toluene-d8 (SS2)	2.194	2.222	-1.3	134	0.00
58 T	Toluene	2.792	2.545	8.8	119	0.00
59 T	2-Hexanone	2.881	2.020	29.9	106	0.00
60 T	Dibromochloromethane	0.622	0.616	1.0	125	0.00
61 T	1,2-Dibromoethane	0.685	0.649	5.3	123	0.00
62 T	Butyl Acetate	3.014	2.323	22.9	106	0.00
63 T	n-Octane	0.960	0.871	9.3	115	0.00
64 T	Tetrachloroethene	0.580	0.579	0.2	131	0.00
65 T	Chlorobenzene	1.603	1.491	7.0	121	0.00
66 T	Ethylbenzene	3.219	2.942	8.6	117	0.00
67 T	m- & p-Xylene	2.092	1.931	7.7	118	0.00
68 T	Bromoform	0.400	0.416	-4.0	129	0.00
69 T	Styrene	1.716	1.577	8.1	117	0.00
70 T	o-Xylene	2.280	2.082	8.7	117	0.00
71 T	n-Nonane	2.130	1.823	14.4	105	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	0.990	8.2	116	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.621	-9.7	146	0.00
74 T	Cumene	2.666	2.481	6.9	118	0.00
75 T	alpha-Pinene	1.597	1.453	9.0	114	0.00
76 T	n-Propylbenzene	3.818	3.568	6.5	116	0.00
77 T	3-Ethyltoluene	2.859	2.700	5.6	116	0.00
78 T	4-Ethyltoluene	2.684	2.429	9.5	117	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.172	9.6	116	0.00
80 T	alpha-Methylstyrene	1.232	1.089	11.6	110	0.00
81 T	2-Ethyltoluene	2.926	2.694	7.9	115	0.00
82 T	1,2,4-Trimethylbenzene	2.390	2.165	9.4	116	0.00
83 T	n-Decane	2.352	2.135	9.2	111	0.00
84 T	Benzyl Chloride	2.461	2.312	6.1	113	0.00
85 T	1,3-Dichlorobenzene	1.192	1.126	5.5	119	0.00
86 T	1,4-Dichlorobenzene	1.168	1.102	5.7	120	0.00
87 T	sec-Butylbenzene	3.142	2.912	7.3	114	0.00
88 T	p-Isopropyltoluene	2.464	2.330	5.4	115	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.121	8.0	114	0.00
90 T	1,2-Dichlorobenzene	1.112	1.043	6.2	119	0.00
91 T	d-Limonene	1.135	0.937	17.4	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.394	-4.0	119	0.00
93 T	n-Undecane	2.406	2.216	7.9	108	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.233	3.7	118	0.00
95 T	Naphthalene	2.872	2.741	4.6	112	0.00
96 T	n-Dodecane	2.350	2.184	7.1	108	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.489	1.4	123	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_07\05\
 Data File : 07050703.D
 Acq On : 5 Jul 2007 10:52
 Operator : SC
 Sample : 1ng TO-15 CRQL STD
 Misc : S15-06190701/S15-06120702
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:24:22 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 IR	Bromochloromethane (IS1)	1.000	1.000	0.0	136	-0.02
2 T	Propene	3.575	2.570	28.1	83	0.02
3 T	Dichlorodifluoromethane	4.170	3.629	13.0	112	0.02
4 T	Chloromethane	4.758	4.310	9.4	107	0.01
5 T	Freon 114	1.340	1.260	6.0	129	0.01
6 T	Vinyl Chloride	3.929	3.412	13.2	116	0.00
7 T	1,3-Butadiene	3.086	2.999	2.8	138	0.00
8 T	Bromomethane	1.436	1.412	1.7	129	0.00
9 T	Chloroethane	1.679	1.516	9.7	118	0.00
10 T	Ethanol	2.012	2.444	-21.5	161	-0.03
11 T	Acetonitrile	5.525	5.927	-7.3	134	-0.02
12 T	Acrolein	1.751	1.853	-5.8	150	0.00
13 T	Acetone	3.156	3.529	-11.8	109	0.00
14 T	Trichlorofluoromethane	3.344	3.096	7.4	121	-0.01
15 T	Isopropanol	7.488	7.078	5.5	115	-0.03
16 T	Acrylonitrile	4.032	3.937	2.4	130	-0.02
17 T	1,1-Dichloroethene	1.810	1.662	8.2	123	0.00
18 T	tert-Butanol	7.739	6.522	15.7	105	-0.03
19 T	Methylene Chloride	2.052	1.881	8.3	113	-0.02
20 T	Allyl Chloride	2.592	2.421	6.6	126	0.00
21 T	Trichlorotrifluoroethane	1.197	1.125	6.0	125	0.00
22 T	Carbon Disulfide	8.271	9.566	-15.7	139	0.00
23 T	trans-1,2-Dichloroethene	4.041	3.545	12.3	115	-0.02
24 T	1,1-Dichloroethane	4.473	4.086	8.7	117	-0.02
25 T	Methyl tert-Butyl Ether	5.901	4.992	15.4	110	0.00
26 T	Vinyl Acetate	0.365	0.267	26.8	105	-0.01
27 T	2-Butanone	1.493	1.207	19.2	96	0.00
28 T	cis-1,2-Dichloroethene	3.707	3.200	13.7	114	-0.02
29 T	Diisopropyl Ether	1.606	1.381	14.0	112	0.00
30 T	Ethyl Acetate	1.106	0.884	20.1	96	0.00
31 T	n-Hexane	5.388	4.605	14.5	111	-0.01
32 T	Chloroform	3.087	2.686	13.0	114	-0.03
33 S	1,2-Dichloroethane-d4 (SS1)	2.563	2.327	9.2	120	-0.01
34 T	Tetrahydrofuran	1.311	1.130	13.8	113	0.00
35 T	Ethyl tert-Butyl Ether	2.330	1.971	15.4	111	0.00
36 T	1,2-Dichloroethane	3.498	3.006	14.1	113	-0.02
37 IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	127	-0.01
38 T	1,1,1-Trichloroethane	0.611	0.564	7.7	118	-0.02
39 T	Isopropyl Acetate	0.387	0.340	12.1	108	0.00
40 T	1-Butanol	0.525	0.586	-11.6	150	-0.01
41 T	Benzene	1.606	1.486	7.5	112	-0.01
42 T	Carbon Tetrachloride	0.478	0.424	11.3	113	-0.01
43 T	Cyclohexane	0.623	0.580	6.9	121	-0.01
44 T	tert-Amyl Methyl Ether	1.169	1.033	11.6	108	0.00
45 T	1,2-Dichloropropane	0.552	0.503	8.9	117	-0.01
46 T	Bromodichloromethane	0.526	0.460	12.5	111	0.00
47 T	Trichloroethene	0.326	0.297	8.9	108	-0.01
48 T	1,4-Dioxane	0.339	0.271	20.1	90	0.00
49 T	Isooctane	2.635	2.413	8.4	113	-0.01
50 T	Methyl Methacrylate	0.146	0.132	9.6	114	0.00
51 T	n-Heptane	0.434	0.380	12.4	111	0.00

E.71517

234

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_07\05\
 Data File : 07050703.D
 Acq On : 5 Jul 2007 10:52
 Operator : SC
 Sample : 1ng TO-15 CRQL STD
 Misc : S15-06190701/S15-06120702
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:24:22 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRRF	CCRF	%Dev	Area	% Dev (min)
52 T	cis-1,3-Dichloropropene	0.673	0.586	12.9	109	0.00
53 T	4-Methyl-2-pentanone	0.603	0.511	15.3	102	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.532	13.6	111	0.00
55 T	1,1,2-Trichloroethane	0.376	0.345	8.2	113	-0.01
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	126	0.00
57 S	Toluene-d8 (SS2)	2.194	2.198	-0.2	126	0.00
58 T	Toluene	2.792	2.622	6.1	112	0.00
59 T	2-Hexanone	2.881	2.039	29.2	75	0.00
60 T	Dibromochloromethane	0.622	0.566	9.0	121	-0.01
61 T	1,2-Dibromoethane	0.685	0.633	7.6	116	0.00
62 T	Butyl Acetate	3.014	2.282	24.3	83	0.00
63 T	n-Octane	0.960	0.884	7.9	113	0.00
64 T	Tetrachloroethene	0.580	0.575	0.9	122	-0.01
65 T	Chlorobenzene	1.603	1.514	5.6	114	-0.01
66 T	Ethylbenzene	3.219	2.974	7.6	113	0.00
67 T	m- & p-Xylene	2.092	1.946	7.0	112	-0.02
68 T	Bromoform	0.400	0.376	6.0	124	0.00
69 T	Styrene	1.716	1.485	13.5	111	0.00
70 T	o-Xylene	2.280	2.057	9.8	111	0.00
71 T	n-Nonane	2.130	1.811	15.0	104	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	0.979	9.3	114	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.619	-9.4	140	0.00
74 T	Cumene	2.666	2.511	5.8	117	-0.01
75 T	alpha-Pinene	1.597	1.347	15.7	106	0.00
76 T	n-Propylbenzene	3.818	3.596	5.8	115	0.00
77 T	3-Ethyltoluene	2.859	2.560	10.5	112	0.00
78 T	4-Ethyltoluene	2.684	2.479	7.6	115	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.171	9.7	111	-0.01
80 T	alpha-Methylstyrene	1.232	0.898	27.1	94	0.00
81 T	2-Ethyltoluene	2.926	2.652	9.4	113	-0.01
82 T	1,2,4-Trimethylbenzene	2.390	2.138	10.5	109	-0.01
83 T	n-Decane	2.352	2.138	9.1	115	-0.01
84 T	Benzyl Chloride	2.461	2.097	14.8	110	0.00
85 T	1,3-Dichlorobenzene	1.192	1.114	6.5	117	0.00
86 T	1,4-Dichlorobenzene	1.168	1.088	6.8	121	0.00
87 T	sec-Butylbenzene	3.142	2.827	10.0	112	0.00
88 T	p-Isopropyltoluene	2.464	2.238	9.2	114	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.068	10.3	113	0.00
90 T	1,2-Dichlorobenzene	1.112	1.013	8.9	113	0.00
91 T	d-Limonene	1.135	0.795	30.0	86	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.333	12.1	126	0.00
93 T	n-Undecane	2.406	2.160	10.2	114	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.222	8.3	121	0.00
95 T	Naphthalene	2.872	2.580	10.2	119	0.00
96 T	n-Dodecane	2.350	2.115	10.0	117	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.459	7.5	128	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

235

Data Path : J:\MS08\Data\2007_07\05\
 Data File : 07050715.D
 Acq On : 5 Jul 2007 20:26
 Operator : SC
 Sample : 25ng TO-15 CCV (CLOSING)
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 08:57:22 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	116	0.00
2	T Propene	3.575	2.473	30.8#	95	0.00
3	T Dichlorodifluoromethane	4.170	3.708	11.1	101	0.00
4	T Chloromethane	4.758	4.777	-0.4	103	0.00
5	T Freon 114	1.340	1.415	-5.6	120	0.00
6	T Vinyl Chloride	3.929	3.846	2.1	109	0.00
7	T 1,3-Butadiene	3.086	3.461	-12.2	120	0.00
8	T Bromomethane	1.436	1.483	-3.3	117	0.00
9	T Chloroethane	1.679	1.653	1.5	111	0.00
10	T Ethanol	2.012	1.856	7.8	101	0.00
11	T Acetonitrile	5.525	4.878	11.7	99	0.00
12	T Acrolein	1.751	1.806	-3.1	106	0.00
13	T Acetone	3.156	2.250	28.7	106	0.00
14	T Trichlorofluoromethane	3.344	3.207	4.1	111	0.00
15	T Isopropanol	7.488	6.832	8.8	97	0.00
16	T Acrylonitrile	4.032	3.847	4.6	105	0.00
17	T 1,1-Dichloroethene	1.810	1.672	7.6	106	0.00
18	T tert-Butanol	7.739	6.648	14.1	101	0.00
19	T Methylene Chloride	2.052	1.727	15.8	102	0.00
20	T Allyl Chloride	2.592	2.506	3.3	109	0.00
21	T Trichlorotrifluoroethane	1.197	1.146	4.3	112	0.00
22	T Carbon Disulfide	8.271	6.529	21.1	101	0.00
23	T trans-1,2-Dichloroethene	4.041	3.594	11.1	100	0.00
24	T 1,1-Dichloroethane	4.473	4.054	9.4	101	0.00
25	T Methyl tert-Butyl Ether	5.901	5.141	12.9	99	0.00
26	T Vinyl Acetate	0.365	0.369	-1.1	107	0.00
27	T 2-Butanone	1.493	1.154	22.7	96	0.00
28	T cis-1,2-Dichloroethene	3.707	3.302	10.9	100	0.00
29	T Diisopropyl Ether	1.606	1.417	11.8	102	0.00
30	T Ethyl Acetate	1.106	0.863	22.0	97	0.00
31	T n-Hexane	5.388	4.658	13.5	100	0.00
32	T Chloroform	3.087	2.802	9.2	103	0.00
33	S 1,2-Dichloroethane-d4 (SS1)	2.563	2.381	7.1	106	0.00
34	T Tetrahydrofuran	1.311	1.112	15.2	95	0.00
35	T Ethyl tert-Butyl Ether	2.330	2.136	8.3	103	0.00
36	T 1,2-Dichloroethane	3.498	3.074	12.1	99	0.00
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	110	0.00
38	T 1,1,1-Trichloroethane	0.611	0.613	-0.3	107	0.00
39	T Isopropyl Acetate	0.387	0.360	7.0	99	0.00
40	T 1-Butanol	0.525	0.521	0.8	99	0.00
41	T Benzene	1.606	1.411	12.1	96	0.00
42	T Carbon Tetrachloride	0.478	0.486	-1.7	108	0.00
43	T Cyclohexane	0.623	0.566	9.1	100	0.00
44	T tert-Amyl Methyl Ether	1.169	1.069	8.6	97	0.00
45	T 1,2-Dichloropropane	0.552	0.517	6.3	99	0.00
46	T Bromodichloromethane	0.526	0.512	2.7	101	0.00
47	T Trichloroethene	0.326	0.324	0.6	108	0.00
48	T 1,4-Dioxane	0.339	0.277	18.3	99	0.00
49	T Isooctane	2.635	2.501	5.1	99	0.00
50	T Methyl Methacrylate	0.146	0.143	2.1	103	0.00
51	T n-Heptane	0.434	0.377	13.1	94	0.00

C-7/6/7

236

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_07\05\
 Data File : 07050715.D
 Acq On : 5 Jul 2007 20:26
 Operator : SC
 Sample : 25ng TO-15 CCV (CLOSING)
 Misc : S15-06190701/S15-06060701
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 08:57:22 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.673	0.623	7.4	96	0.00
53 T	4-Methyl-2-pentanone	0.603	0.540	10.4	99	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.587	4.7	99	0.00
55 T	1,1,2-Trichloroethane	0.376	0.361	4.0	103	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	108	0.00
57 S	Toluene-d8 (SS2)	2.194	2.184	0.5	108	0.00
58 T	Toluene	2.792	2.588	7.3	100	0.00
59 T	2-Hexanone	2.881	2.101	27.1	91	0.00
60 T	Dibromochloromethane	0.622	0.639	-2.7	107	0.00
61 T	1,2-Dibromoethane	0.685	0.661	3.5	103	0.00
62 T	Butyl Acetate	3.014	2.411	20.0	91	0.00
63 T	n-Octane	0.960	0.904	5.8	98	0.00
64 T	Tetrachloroethene	0.580	0.595	-2.6	111	0.00
65 T	Chlorobenzene	1.603	1.544	3.7	103	0.00
66 T	Ethylbenzene	3.219	3.058	5.0	100	0.00
67 T	m- & p-Xylene	2.092	2.007	4.1	101	0.00
68 T	Bromoform	0.400	0.439	-9.7	112	0.00
69 T	Styrene	1.716	1.636	4.7	99	0.00
70 T	o-Xylene	2.280	2.177	4.5	101	0.00
71 T	n-Nonane	2.130	1.935	9.2	92	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	1.020	5.5	98	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.635	-12.2	123	0.00
74 T	Cumene	2.666	2.599	2.5	101	0.00
75 T	alpha-Pinene	1.597	1.513	5.3	98	0.00
76 T	n-Propylbenzene	3.818	3.732	2.3	100	0.00
77 T	3-Ethyltoluene	2.859	2.815	1.5	99	0.00
78 T	4-Ethyltoluene	2.684	2.584	3.7	102	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.302	4.2	101	0.00
80 T	alpha-Methylstyrene	1.232	1.148	6.8	96	0.00
81 T	2-Ethyltoluene	2.926	2.835	3.1	100	0.00
82 T	1,2,4-Trimethylbenzene	2.390	2.268	5.1	100	0.00
83 T	n-Decane	2.352	2.252	4.3	96	0.00
84 T	Benzyl Chloride	2.461	2.426	1.4	97	0.00
85 T	1,3-Dichlorobenzene	1.192	1.181	0.9	103	0.00
86 T	1,4-Dichlorobenzene	1.168	1.158	0.9	103	0.00
87 T	sec-Butylbenzene	3.142	3.061	2.6	99	0.00
88 T	p-Isopropyltoluene	2.464	2.460	0.2	100	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.234	3.1	98	0.00
90 T	1,2-Dichlorobenzene	1.112	1.093	1.7	102	0.00
91 T	d-Limonene	1.135	0.971	14.4	86	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.414	-9.2	102	0.00
93 T	n-Undecane	2.406	2.369	1.5	95	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.248	-2.5	103	0.00
95 T	Naphthalene	2.872	2.916	-1.5	98	0.00
96 T	n-Dodecane	2.350	2.344	0.3	95	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.522	-5.2	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

✓ 7/6/07

237

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\06\07060703.D
 Acq On : 6 Jul 2007 12:08
 Sample : 25ng TO-15 CCV Std
 Misc : S15-07060701/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	73	0.00
2	T Propene	1.508	1.393	7.6	72	0.00
3	T Dichlorodifluoromethane	2.583	3.008	-16.5	88	0.00
4	T Chloromethane	2.466	2.325	5.7	68	0.00
5	T Freon 114	0.849	0.972	-14.5	83	0.00
6	T Vinyl Chloride	1.676	2.102	-25.4	85	0.00
7	T 1,3-Butadiene	1.454	1.614	-11.0	82	0.00
8	T Bromomethane	1.359	1.597	-17.5	87	0.00
9	T Chloroethane	1.141	1.184	-3.8	78	0.00
10	T Ethanol	0.850	0.956	-12.5	86	0.00
11	T Acetonitrile	2.855	2.761	3.3	71	-0.01
12	T Acrolein	0.839	0.870	-3.7	77	0.00
13	T Acetone	1.301	1.116	14.2	78	0.00
14	T Trichlorofluoromethane	1.686	2.057	-22.0	90	0.00
15	T Isopropanol	3.658	3.963	-8.3	76	0.00
16	T Acrylonitrile	1.773	1.836	-3.6	72	0.00
17	T 1,1-Dichloroethene	1.187	1.315	-10.8	82	0.00
18	T tert-Butanol	3.465	3.628	-4.7	81	0.00
19	T Methylene Chloride	1.396	1.460	-4.6	78	0.00
20	T Allyl Chloride	1.846	1.998	-8.2	77	0.00
21	T Trichlorotrifluoroethane	1.059	1.216	-14.8	84	0.00
22	T Carbon Disulfide	5.500	5.446	1.0	77	0.00
23	T trans-1,2-Dichloroethene	2.013	2.213	-9.9	80	0.00
24	T 1,1-Dichloroethane	1.991	2.255	-13.3	84	0.00
25	T Methyl tert-Butyl Ether	3.660	4.162	-13.7	85	0.00
26	T Vinyl Acetate	0.239	0.360	50.6#	112	0.00
27	T 2-Butanone	0.876	0.890	-1.6	76	0.00
28	T cis-1,2-Dichloroethene	1.894	2.025	-6.9	79	0.00
29	T Diisopropyl Ether	0.924	1.039	-12.4	81	0.00
30	T Ethyl Acetate	0.441	0.476	-7.9	78	0.00
31	T n-Hexane	2.101	2.140	-1.9	76	0.00
32	T Chloroform	1.760	2.002	-13.7	85	0.00
33	S 1,2-Dichloroethane-d4 (SS1)	1.465	1.485	-1.4	74	0.00
34	T Tetrahydrofuran	0.819	0.844	-3.1	76	0.00
35	T Ethyl tert-Butyl Ether	1.384	1.572	-13.6	82	0.00
36	T 1,2-Dichloroethane	1.796	2.127	-18.4	86	0.00
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	70	0.00
38	T 1,1,1-Trichloroethane	0.489	0.580	-18.6	84	0.00
39	T Isopropyl Acetate	0.255	0.262	-2.7	73	0.00
40	T 1-Butanol	0.288	0.267	7.3	66	0.00

(#) = Out of Range

07060703.D R2061207.M

Fri Jul 06 13:03:57 2007

85 7/6/07
JF/9/07 Page 1 238

Data File : J:\MS02\DATA\2007_07\07060703.D
 Acq On : 6 Jul 2007 12:08
 Sample : 25ng TO-15 CCV Std
 Misc : S15-07060701/S15-06290701
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
41 T	Benzene	1.319	1.367	-3.6	77	0.00
42 T	Carbon Tetrachloride	0.346	0.426	-23.1	79	0.00
43 T	Cyclohexane	0.476	0.521	-9.5	80	0.00
44 T	tert-Amyl Methyl Ether	0.997	1.108	-11.1	79	0.00
45 T	1,2-Dichloropropane	0.363	0.369	-1.7	73	0.00
46 T	Bromodichloromethane	0.427	0.505	-18.3	82	0.00
47 T	Trichloroethene	0.363	0.420	-15.7	82	0.00
48 T	1,4-Dioxane	0.251	0.274	-9.2	77	0.00
49 T	Isooctane	1.437	1.507	-4.9	75	0.00
50 T	Methyl Methacrylate	0.153	0.179	-17.0	80	0.00
51 T	n-Heptane	0.340	0.359	-5.6	76	0.00
52 T	cis-1,3-Dichloropropene	0.551	0.617	-12.0	78	0.00
53 T	4-Methyl-2-pentanone	0.337	0.339	-0.6	72	0.00
54 T	trans-1,3-Dichloropropene	0.508	0.572	-12.6	78	0.00
55 T	1,1,2-Trichloroethane	0.337	0.367	-8.9	77	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	69	0.00
57 S	Toluene-d8 (SS2)	2.327	2.308	0.8	69	0.00
58 T	Toluene	2.833	3.149	-11.2	80	0.00
59 T	2-Hexanone	2.217	2.120	4.4	69	0.00
60 T	Dibromochloromethane	0.886	1.076	-21.4	81	0.00
61 T	1,2-Dibromoethane	0.936	1.072	-14.5	78	0.00
62 T	Butyl Acetate	2.406	2.291	4.8	67	0.00
63 T	n-Octane	0.697	0.721	-3.4	75	0.00
64 T	Tetrachloroethene	0.880	1.055	-19.9	84	0.00
65 T	Chlorobenzene	1.950	2.202	-12.9	79	0.00
66 T	Ethylbenzene	3.276	3.705	-13.1	80	0.00
67 T	m- & p-Xylene	2.048	2.383	-16.4	82	0.00
68 T	Bromoform	0.651	0.818	-25.7	83	0.00
69 T	Styrene	1.970	2.246	-14.0	79	0.00
70 T	o-Xylene	2.231	2.560	-14.7	81	0.00
71 T	n-Nonane	1.756	1.791	-2.0	71	0.00
72 T	1,1,2,2-Tetrachloroethane	1.219	1.338	-9.8	76	0.00
73 S	Bromofluorobenzene (SS3)	0.795	0.888	-11.7	76	0.00
74 T	Cumene	2.954	3.464	-17.3	81	0.00
75 T	alpha-Pinene	1.610	1.868	-16.0	80	0.00
76 T	n-Propylbenzene	3.868	4.442	-14.8	79	0.00
77 T	3-Ethyltoluene	3.183	3.781	-18.8	81	0.00
78 T	4-Ethyltoluene	2.933	3.364	-14.7	81	0.00
79 T	1,3,5-Trimethylbenzene	2.571	2.983	-16.0	81	0.00
80 T	alpha-Methylstyrene	0.740	0.846	-14.3	78	0.00

(#) = Out of Range

07060703.D R2061207.M

Fri Jul 06 13:03:58 2007

86 16/08
OB/9/07 Page 239

Data File : J:\MS02\DATA\2007_07\06\07060703.D
Acq On : 6 Jul 2007 12:08
Sample : 25ng TO-15 CCV Std
Misc : S15-07060701/S15-06290701
MS Integration Params: rteint.p

Vial: 1
Operator: CH/ST
Inst : MS 02
Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
Last Update : Wed Jun 13 10:56:47 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
81 T	2-Ethyltoluene	3.219	3.777	-17.3	81	0.00
82 T	1,2,4-Trimethylbenzene	2.425	2.887	-19.1	85	0.00
83 T	n-Decane	1.731	1.808	-4.4	73	0.00
84 T	Benzyl Chloride	2.297	2.736	-19.1	80	0.00
85 T	1,3-Dichlorobenzene	1.641	1.962	-19.6	83	0.00
86 T	1,4-Dichlorobenzene	1.634	1.949	-19.3	82	0.00
87 T	sec-Butylbenzene	3.415	3.950	-15.7	79	0.00
88 T	p-Isopropyltoluene	2.714	3.298	-21.5	84	0.00
89 T	1,2,3-Trimethylbenzene	2.336	2.803	-20.0	83	0.00
90 T	1,2-Dichlorobenzene	1.497	1.832	-22.4	85	0.00
91 T	d-Limonene	1.099	1.181	-7.5	75	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.611	0.780	-27.7	81	0.00
93 T	n-Undecane	1.798	1.885	-4.8	73	0.00
94 T	1,2,4-Trichlorobenzene	0.328	0.427	-30.2#	86	0.00
95 T	Naphthalene	3.326	4.162	-25.1	82	0.00
96 T	n-Dodecane	1.562	1.626	-4.1	74	0.00
97 T	Hexachloro-1,3-butadiene	0.641	0.799	-24.6	87	0.00

(#) = Out of Range
07060703.D R2061207.M

SPCC's out = 0 CCC's out = 0
Fri Jul 06 13:03:59 2007

240
Page 3

8/6/07
13:03:59

Data File : J:\MS02\DATA\2007_07\06\07060709.D
 Acq On : 6 Jul 2007 17:10
 Sample : 1ng CRQL Std
 Misc : S15-07060701/S15-06290704
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	73	-0.01
2	T Propene	1.508	1.506	0.1	69	0.03
3	T Dichlorodifluoromethane	2.583	3.272	-26.7	89	0.03
4	T Chloromethane	2.466	2.215	10.2	60	0.03
5	T Freon 114	0.849	1.004	-18.3	80	0.03
6	T Vinyl Chloride	1.676	2.105	-25.6	94	0.03
7	T 1,3-Butadiene	1.454	1.555	-6.9	78	0.02
8	T Bromomethane	1.359	1.577	-16.0	87	0.03
9	T Chloroethane	1.141	1.150	-0.8	73	0.02
10	T Ethanol	0.850	0.879	-3.4	77	0.01
11	T Acetonitrile	2.855	2.802	1.9	76	0.04
12	T Acrolein	0.839	0.756	9.9	66	0.02
13	T Acetone	1.301	1.617	-24.3	68	0.00
14	T Trichlorofluoromethane	1.686	2.081	-23.4	92	0.01
15	T Isopropanol	3.658	3.975	-8.7	69	-0.03
16	T Acrylonitrile	1.773	1.648	7.1	73	0.02
17	T 1,1-Dichloroethene	1.187	1.299	-9.4	79	0.02
18	T tert-Butanol	3.465	3.891	-12.3	76	-0.03
19	T Methylene Chloride	1.396	1.468	-5.2	75	0.00
20	T Allyl Chloride	1.846	1.765	4.4	77	0.01
21	T Trichlorotrifluoroethane	1.059	1.265	-19.5	84	0.01
22	T Carbon Disulfide	5.500	5.928	-7.8	75	0.03
23	T trans-1,2-Dichloroethene	2.013	2.081	-3.4	77	0.00
24	T 1,1-Dichloroethane	1.991	2.282	-14.6	79	-0.01
25	T Methyl tert-Butyl Ether	3.660	4.228	-15.5	82	0.00
26	T Vinyl Acetate	0.239	0.291	-21.8	76	0.00
27	T 2-Butanone	0.876	0.870	0.7	72	0.00
28	T cis-1,2-Dichloroethene	1.894	1.947	-2.8	76	-0.01
29	T Diisopropyl Ether	0.924	1.014	-9.7	78	0.00
30	T Ethyl Acetate	0.441	0.447	-1.4	69	0.00
31	T n-Hexane	2.101	2.214	-5.4	74	0.00
32	T Chloroform	1.760	2.079	-18.1	83	-0.02
33	S 1,2-Dichloroethane-d4 (SS1)	1.465	1.484	-1.3	75	-0.01
34	T Tetrahydrofuran	0.819	0.866	-5.7	72	0.00
35	T Ethyl tert-Butyl Ether	1.384	1.561	-12.8	81	0.00
36	T 1,2-Dichloroethane	1.796	2.127	-18.4	86	-0.02
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	70	0.00
38	T 1,1,1-Trichloroethane	0.489	0.588	-20.2	84	0.00
39	T Isopropyl Acetate	0.255	0.251	1.6	66	0.00
40	T 1-Butanol	0.288	0.322	-11.8	63	0.04

(#) = Out of Range

07060709.D R2061207.M

Fri Jul 06 18:10:49 2007

8/10/07
7/10/07

Page 1

241

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\06\07060709.D
 Acq On : 6 Jul 2007 17:10
 Sample : 1ng CRQL Std
 Misc : S15-07060701/S15-06290704
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
41 T	Benzene	1.319	1.489	-12.9	76	0.00
42 T	Carbon Tetrachloride	0.346	0.269	22.3	63	0.00
43 T	Cyclohexane	0.476	0.552	-16.0	78	0.00
44 T	tert-Amyl Methyl Ether	0.997	1.142	-14.5	80	0.00
45 T	1,2-Dichloropropane	0.363	0.363	0.0	68	0.00
46 T	Bromodichloromethane	0.427	0.467	-9.4	77	-0.01
47 T	Trichloroethene	0.363	0.426	-17.4	79	0.00
48 T	1,4-Dioxane	0.251	0.271	-8.0	74	0.00
49 T	Isooctane	1.437	1.566	-9.0	72	0.00
50 T	Methyl Methacrylate	0.153	0.149	2.6	71	0.00
51 T	n-Heptane	0.340	0.370	-8.8	73	0.00
52 T	cis-1,3-Dichloropropene	0.551	0.577	-4.7	71	0.00
53 T	4-Methyl-2-pentanone	0.337	0.329	2.4	64	0.00
54 T	trans-1,3-Dichloropropene	0.508	0.505	0.6	73	0.00
55 T	1,1,2-Trichloroethane	0.337	0.365	-8.3	75	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	71	0.00
57 S	Toluene-d8 (SS2)	2.327	2.359	-1.4	70	0.00
58 T	Toluene	2.833	3.506	-23.8	78	0.00
59 T	2-Hexanone	2.217	2.126	4.1	62	0.00
60 T	Dibromochloromethane	0.886	0.983	-10.9	75	0.00
61 T	1,2-Dibromoethane	0.936	1.063	-13.6	75	0.00
62 T	Butyl Acetate	2.406	2.265	5.9	61	0.00
63 T	n-Octane	0.697	0.794	-13.9	71	0.00
64 T	Tetrachloroethene	0.880	1.197	-36.0#	86	0.00
65 T	Chlorobenzene	1.950	2.395	-22.8	78	0.00
66 T	Ethylbenzene	3.276	3.952	-20.6	75	0.00
67 T	m- & p-Xylene	2.048	2.591	-26.5	77	0.00
68 T	Bromoform	0.651	0.741	-13.8	79	0.00
69 T	Styrene	1.970	2.041	-3.6	66	0.00
70 T	o-Xylene	2.231	2.845	-27.5	79	0.00
71 T	n-Nonane	1.756	1.848	-5.2	66	0.00
72 T	1,1,2,2-Tetrachloroethane	1.219	1.372	-12.6	71	0.01
73 S	Bromofluorobenzene (SS3)	0.795	0.871	-9.6	78	0.00
74 T	Cumene	2.954	3.737	-26.5	80	0.00
75 T	alpha-Pinene	1.610	1.625	-0.9	63	0.00
76 T	n-Propylbenzene	3.868	4.635	-19.8	75	0.00
77 T	3-Ethyltoluene	3.183	3.898	-22.5	74	0.00
78 T	4-Ethyltoluene	2.933	3.693	-25.9	78	0.00
79 T	1,3,5-Trimethylbenzene	2.571	3.185	-23.9	76	0.00
80 T	alpha-Methylstyrene	0.740	0.425	42.6#	37#	0.00

(#) = Out of Range

07060709.D R2061207.M

Fri Jul 06 18:10:50 2007

88 flaket
8/19/07

Page 2

242

Evaluate Continuing Calibration Report

Data File : J:\MS02\DATA\2007_07\06\07060709.D
 Acq On : 6 Jul 2007 17:10
 Sample : 1ng CRQL Std
 Misc : S15-07060701/S15-06290704
 MS Integration Params: rteint.p

Vial: 1
 Operator: CH/ST
 Inst : MS 02
 Multiplr: 1.00

Method : J:\MS02\METHODS\R2061207.M (RTE Integrator)
 Title : TO-15 Tekmar AutoCan/HP 5890/HP 5972 MSD
 Last Update : Wed Jun 13 10:56:47 2007
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
81 T	2-Ethyltoluene	3.219	4.020	-24.9	77	0.00
82 T	1,2,4-Trimethylbenzene	2.425	3.201	-32.0#	77	0.00
83 T	n-Decane	1.731	1.864	-7.7	65	0.00
84 T	Benzyl Chloride	2.297	2.384	-3.8	67	0.01
85 T	1,3-Dichlorobenzene	1.641	2.040	-24.3	77	0.00
86 T	1,4-Dichlorobenzene	1.634	2.121	-29.8	80	0.00
87 T	sec-Butylbenzene	3.415	4.312	-26.3	77	0.00
88 T	p-Isopropyltoluene	2.714	3.665	-35.0#	79	0.00
89 T	1,2,3-Trimethylbenzene	2.336	3.091	-32.3#	78	0.00
90 T	1,2-Dichlorobenzene	1.497	2.054	-37.2#	82	0.00
91 T	d-Limonene	1.099	0.439	60.1#	24#	0.01
92 T	1,2-Dibromo-3-Chloropropane	0.611	0.671	-9.8	78	0.02
93 T	n-Undecane	1.798	1.814	-0.9	61	0.01
94 T	1,2,4-Trichlorobenzene	0.328	0.407	-24.1	82	0.01
95 T	Naphthalene	3.326	3.732	-12.2	76	0.02
96 T	n-Dodecane	1.562	1.841	-17.9	70	0.02
97 T	Hexachloro-1,3-butadiene	0.641	0.860	-34.2#	84	0.00

Data Path : J:\MS08\Data\2007_07\06\
 Data File : 07060701.D
 Acq On : 6 Jul 2007 9:28
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06120703
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 09:54:18 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 IR	Bromochloromethane (IS1)	1.000	1.000	0.0	108	0.01
2 T	Propene	3.575	2.819	21.1	101	0.00
3 T	Dichlorodifluoromethane	4.170	3.962	5.0	101	0.01
4 T	Chloromethane	4.758	5.468	-14.9	111	0.00
5 T	Freon 114	1.340	1.480	-10.4	118	0.01
6 T	Vinyl Chloride	3.929	4.164	-6.0	110	0.00
7 T	1,3-Butadiene	3.086	3.850	-24.8	125	0.01
8 T	Bromomethane	1.436	1.553	-8.1	115	0.00
9 T	Chloroethane	1.679	1.773	-5.6	111	0.01
10 T	Ethanol	2.012	2.092	-4.0	107	0.02
11 T	Acetonitrile	5.525	5.211	5.7	99	0.02
12 T	Acrolein	1.751	1.940	-10.8	107	0.02
13 T	Acetone	3.156	2.551	19.2	113	0.01
14 T	Trichlorofluoromethane	3.344	3.309	1.0	107	0.00
15 T	Isopropanol	7.488	7.477	0.1	100	0.01
16 T	Acrylonitrile	4.032	4.170	-3.4	106	0.01
17 T	1,1-Dichloroethene	1.810	1.737	4.0	103	0.01
18 T	tert-Butanol	7.739	6.945	10.3	99	0.01
19 T	Methylene Chloride	2.052	1.845	10.1	102	0.01
20 T	Allyl Chloride	2.592	2.976	-14.8	121	0.01
21 T	Trichlorotrifluoroethane	1.197	1.183	1.2	108	0.01
22 T	Carbon Disulfide	8.271	7.068	14.5	102	0.01
23 T	trans-1,2-Dichloroethene	4.041	3.884	3.9	101	0.01
24 T	1,1-Dichloroethane	4.473	4.382	2.0	102	0.01
25 T	Methyl tert-Butyl Ether	5.901	5.413	8.3	97	0.00
26 T	Vinyl Acetate	0.365	0.342	6.3	93	0.01
27 T	2-Butanone	1.493	1.221	18.2	95	0.01
28 T	cis-1,2-Dichloroethene	3.707	3.554	4.1	101	0.00
29 T	Diisopropyl Ether	1.606	1.467	8.7	99	0.00
30 T	Ethyl Acetate	1.106	0.949	14.2	100	0.01
31 T	n-Hexane	5.388	5.124	4.9	103	0.00
32 T	Chloroform	3.087	2.913	5.6	100	0.00
33 S	1,2-Dichloroethane-d4 (SS1)	2.563	2.442	4.7	102	0.01
34 T	Tetrahydrofuran	1.311	1.159	11.6	92	0.00
35 T	Ethyl tert-Butyl Ether	2.330	2.188	6.1	99	0.00
36 T	1,2-Dichloroethane	3.498	3.284	6.1	99	0.00
37 IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	103	0.00
38 T	1,1,1-Trichloroethane	0.611	0.628	-2.8	103	0.00
39 T	Isopropyl Acetate	0.387	0.379	2.1	97	0.00
40 T	1-Butanol	0.525	0.376	28.4	67	0.00
41 T	Benzene	1.606	1.506	6.2	96	0.00
42 T	Carbon Tetrachloride	0.478	0.493	-3.1	102	0.00
43 T	Cyclohexane	0.623	0.587	5.8	97	0.00
44 T	tert-Amyl Methyl Ether	1.169	1.113	4.8	95	0.00
45 T	1,2-Dichloropropane	0.552	0.554	-0.4	99	0.00
46 T	Bromodichloromethane	0.526	0.531	-1.0	98	0.00
47 T	Trichloroethene	0.326	0.328	-0.6	103	0.00
48 T	1,4-Dioxane	0.339	0.277	18.3	92	0.00
49 T	Isooctane	2.635	2.711	-2.9	101	0.00
50 T	Methyl Methacrylate	0.146	0.141	3.4	96	0.00
51 T	n-Heptane	0.434	0.395	9.0	93	0.00

C-71617

244

Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_07\06\
 Data File : 07060701.D
 Acq On : 6 Jul 2007 9:28
 Operator : SC
 Sample : 25ng TO-15 CCV STD
 Misc : S15-06190701/S15-06120703
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 09:54:18 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.673	0.654	2.8	95	0.00
53 T	4-Methyl-2-pentanone	0.603	0.549	9.0	94	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.601	2.4	94	0.00
55 T	1,1,2-Trichloroethane	0.376	0.373	0.8	99	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	100	0.00
57 S	Toluene-d8 (SS2)	2.194	2.190	0.2	101	0.00
58 T	Toluene	2.792	2.710	2.9	97	0.00
59 T	2-Hexanone	2.881	2.135	25.9	86	0.00
60 T	Dibromochloromethane	0.622	0.651	-4.7	101	0.00
61 T	1,2-Dibromoethane	0.685	0.683	0.3	99	0.00
62 T	Butyl Acetate	3.014	2.299	23.7	81	0.00
63 T	n-Octane	0.960	0.980	-2.1	99	0.00
64 T	Tetrachloroethene	0.580	0.602	-3.8	104	0.00
65 T	Chlorobenzene	1.603	1.569	2.1	97	0.00
66 T	Ethylbenzene	3.219	3.163	1.7	97	0.00
67 T	m- & p-Xylene	2.092	2.050	2.0	96	0.00
68 T	Bromoform	0.400	0.441	-10.2	104	0.00
69 T	Styrene	1.716	1.618	5.7	92	0.00
70 T	o-Xylene	2.280	2.217	2.8	95	0.00
71 T	n-Nonane	2.130	2.167	-1.7	96	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	1.065	1.3	95	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.622	-9.9	112	0.00
74 T	Cumene	2.666	2.642	0.9	96	0.00
75 T	alpha-Pinene	1.597	1.486	7.0	89	0.00
76 T	n-Propylbenzene	3.818	3.824	-0.2	95	0.00
77 T	3-Ethyltoluene	2.859	2.869	-0.3	94	0.00
78 T	4-Ethyltoluene	2.684	2.574	4.1	95	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.291	4.7	94	0.00
80 T	alpha-Methylstyrene	1.232	0.961	22.0	74	0.00
81 T	2-Ethyltoluene	2.926	2.860	2.3	94	0.00
82 T	1,2,4-Trimethylbenzene	2.390	2.289	4.2	93	0.00
83 T	n-Decane	2.352	2.377	-1.1	95	0.00
84 T	Benzyl Chloride	2.461	2.363	4.0	88	0.00
85 T	1,3-Dichlorobenzene	1.192	1.193	-0.1	97	0.00
86 T	1,4-Dichlorobenzene	1.168	1.179	-0.9	98	0.00
87 T	sec-Butylbenzene	3.142	3.105	1.2	93	0.00
88 T	p-Isopropyltoluene	2.464	2.466	-0.1	93	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.242	2.7	92	0.00
90 T	1,2-Dichlorobenzene	1.112	1.125	-1.2	98	0.00
91 T	d-Limonene	1.135	0.822	27.6	68	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.407	-7.4	94	0.00
93 T	n-Undecane	2.406	2.411	-0.2	90	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.248	-2.5	96	0.00
95 T	Naphthalene	2.872	2.669	7.1	83	0.00
96 T	n-Dodecane	2.350	2.130	9.4	81	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.521	-5.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

245

E-7/6/7

Data Path : J:\MS08\Data\2007_07\06\
 Data File : 07060703.D
 Acq On : 6 Jul 2007 11:02
 Operator : SC
 Sample : 1ng TO-15 CRQL STD
 Misc : S15-06190701/S15-06120706
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 11:29:31 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	95 -0.02
2	T	Propene	3.575	3.195	10.6	72 0.02
3	T	Dichlorodifluoromethane	4.170	4.170	0.0	90 0.02
4	T	Chloromethane	4.758	5.863	-23.2	102 0.01
5	T	Freon 114	1.340	1.489	-11.1	106 0.02
6	T	Vinyl Chloride	3.929	4.406	-12.1	104 0.00
7	T	1,3-Butadiene	3.086	3.757	-21.7	120 0.00
8	T	Bromomethane	1.436	1.577	-9.8	101 0.00
9	T	Chloroethane	1.679	1.892	-12.7	103 0.00
10	T	Ethanol	2.012	3.307	-64.4#	152 -0.02
11	T	Acetonitrile	5.525	7.177	-29.9	113 -0.02
12	T	Acrolein	1.751	2.262	-29.2	127 0.00
13	T	Acetone	3.156	3.969	-25.8	85 0.00
14	T	Trichlorofluoromethane	3.344	3.323	0.6	91 0.00
15	T	Isopropanol	7.488	8.785	-17.3	99 -0.03
16	T	Acrylonitrile	4.032	4.587	-13.8	106 -0.02
17	T	1,1-Dichloroethene	1.810	1.709	5.6	88 0.00
18	T	tert-Butanol	7.739	7.603	1.8	85 -0.02
19	T	Methylene Chloride	2.052	2.069	-0.8	86 -0.02
20	T	Allyl Chloride	2.592	2.960	-14.2	107 -0.01
21	T	Trichlorotrifluoroethane	1.197	1.128	5.8	87 0.00
22	T	Carbon Disulfide	8.271	9.687	-17.1	98 0.00
23	T	trans-1,2-Dichloroethene	4.041	3.921	3.0	88 -0.01
24	T	1,1-Dichloroethane	4.473	4.612	-3.1	92 -0.02
25	T	Methyl tert-Butyl Ether	5.901	5.354	9.3	82 -0.01
26	T	Vinyl Acetate	0.365	0.314	14.0	86 0.00
27	T	2-Butanone	1.493	1.348	9.7	75 0.00
28	T	cis-1,2-Dichloroethene	3.707	3.648	1.6	90 -0.02
29	T	Diisopropyl Ether	1.606	1.493	7.0	84 -0.01
30	T	Ethyl Acetate	1.106	1.003	9.3	76 0.00
31	T	n-Hexane	5.388	5.405	-0.3	91 0.00
32	T	Chloroform	3.087	2.973	3.7	88 -0.02
33	S	1,2-Dichloroethane-d4 (SS1)	2.563	2.544	0.7	91 -0.01
34	T	Tetrahydrofuran	1.311	1.234	5.9	86 0.00
35	T	Ethyl tert-Butyl Ether	2.330	2.156	7.5	84 -0.01
36	T	1,2-Dichloroethane	3.498	3.441	1.6	90 -0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	90 -0.01
38	T	1,1,1-Trichloroethane	0.611	0.631	-3.3	94 -0.01
39	T	Isopropyl Acetate	0.387	0.375	3.1	85 0.00
40	T	1-Butanol	0.525	0.660	-25.7	120 0.00
41	T	Benzene	1.606	1.548	3.6	83 -0.01
42	T	Carbon Tetrachloride	0.478	0.449	6.1	84 0.00
43	T	Cyclohexane	0.623	0.618	0.8	91 -0.02
44	T	tert-Amyl Methyl Ether	1.169	1.080	7.6	80 0.00
45	T	1,2-Dichloropropane	0.552	0.555	-0.5	92 -0.01
46	T	Bromodichloromethane	0.526	0.506	3.8	86 0.00
47	T	Trichloroethene	0.326	0.327	-0.3	85 -0.01
48	T	1,4-Dioxane	0.339	0.282	16.8	66 0.00
49	T	Isooctane	2.635	2.729	-3.6	91 0.00
50	T	Methyl Methacrylate	0.146	0.127	13.0	78 -0.01
51	T	n-Heptane	0.434	0.389	10.4	81 0.00

E-7/6/07

246

Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_07\06\
 Data File : 07060703.D
 Acq On : 6 Jul 2007 11:02
 Operator : SC
 Sample : 1ng TO-15 CRQL STD
 Misc : S15-06190701/S15-06120706
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 11:29:31 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.673	0.634	5.8	84	0.00
53 T	4-Methyl-2-pentanone	0.603	0.578	4.1	82	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.575	6.7	85	0.00
55 T	1,1,2-Trichloroethane	0.376	0.365	2.9	85	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	92	0.00
57 S	Toluene-d8 (SS2)	2.194	2.157	1.7	90	0.00
58 T	Toluene	2.792	2.686	3.8	84	0.00
59 T	2-Hexanone	2.881	2.540	11.8	68	0.00
60 T	Dibromochloromethane	0.622	0.585	5.9	91	0.00
61 T	1,2-Dibromoethane	0.685	0.633	7.6	84	0.00
62 T	Butyl Acetate	3.014	2.692	10.7	72	0.00
63 T	n-Octane	0.960	0.955	0.5	89	0.00
64 T	Tetrachloroethene	0.580	0.574	1.0	89	0.00
65 T	Chlorobenzene	1.603	1.554	3.1	85	0.00
66 T	Ethylbenzene	3.219	3.062	4.9	85	0.00
67 T	m- & p-Xylene	2.092	2.022	3.3	85	-0.01
68 T	Bromoform	0.400	0.386	3.5	92	0.00
69 T	Styrene	1.716	1.530	10.8	83	0.00
70 T	o-Xylene	2.280	2.103	7.8	83	0.00
71 T	n-Nonane	2.130	2.157	-1.3	90	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	1.031	4.4	88	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.606	-7.1	100	0.00
74 T	Cumene	2.666	2.543	4.6	86	0.00
75 T	alpha-Pinene	1.597	1.396	12.6	80	0.00
76 T	n-Propylbenzene	3.818	3.728	2.4	87	0.00
77 T	3-Ethyltoluene	2.859	2.709	5.2	87	0.00
78 T	4-Ethyltoluene	2.684	2.561	4.6	86	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.255	6.2	84	0.00
80 T	alpha-Methylstyrene	1.232	0.889	27.8	68	0.00
81 T	2-Ethyltoluene	2.926	2.710	7.4	84	0.00
82 T	1,2,4-Trimethylbenzene	2.390	2.236	6.4	83	0.00
83 T	n-Decane	2.352	2.337	0.6	91	0.00
84 T	Benzyl Chloride	2.461	2.224	9.6	85	0.00
85 T	1,3-Dichlorobenzene	1.192	1.169	1.9	89	0.00
86 T	1,4-Dichlorobenzene	1.168	1.118	4.3	90	0.00
87 T	sec-Butylbenzene	3.142	2.990	4.8	86	0.00
88 T	p-Isopropyltoluene	2.464	2.343	4.9	87	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.179	5.5	87	0.00
90 T	1,2-Dichlorobenzene	1.112	1.105	0.6	90	0.00
91 T	d-Limonene	1.135	0.826	27.2	65	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.355	6.3	98	0.00
93 T	n-Undecane	2.406	2.406	0.0	93	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.235	2.9	93	0.00
95 T	Naphthalene	2.872	2.781	3.2	94	0.00
96 T	n-Dodecane	2.350	2.416	-2.8	98	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.459	7.5	93	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

247

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_07\06\
 Data File : 07060716.D
 Acq On : 6 Jul 2007 20:12
 Operator : SC
 Sample : 25ng TO-15 CCV (COLEING)
 Misc : S15-06190701/S15-06120703
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 09 08:08:15 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR Bromochloromethane (IS1)	1.000	1.000	0.0	101	0.01
2	T Propene	3.575	2.620	26.7	88	0.00
3	T Dichlorodifluoromethane	4.170	3.929	5.8	93	0.01
4	T Chloromethane	4.758	4.928	-3.6	93	0.00
5	T Freon 114	1.340	1.520	-13.4	113	0.00
6	T Vinyl Chloride	3.929	4.075	-3.7	101	0.00
7	T 1,3-Butadiene	3.086	3.700	-19.9	112	0.01
8	T Bromomethane	1.436	1.605	-11.8	110	0.00
9	T Chloroethane	1.679	1.740	-3.6	102	0.01
10	T Ethanol	2.012	1.883	6.4	89	0.00
11	T Acetonitrile	5.525	4.773	13.6	85	0.00
12	T Acrolein	1.751	1.873	-7.0	96	0.00
13	T Acetone	3.156	2.481	21.4	102	0.00
14	T Trichlorofluoromethane	3.344	3.398	-1.6	103	0.00
15	T Isopropanol	7.488	7.019	6.3	87	0.00
16	T Acrylonitrile	4.032	4.035	-0.1	96	0.00
17	T 1,1-Dichloroethene	1.810	1.745	3.6	96	0.01
18	T tert-Butanol	7.739	6.886	11.0	91	0.00
19	T Methylene Chloride	2.052	1.843	10.2	95	0.00
20	T Allyl Chloride	2.592	2.742	-5.8	104	0.00
21	T Trichlorotrifluoroethane	1.197	1.219	-1.8	104	0.01
22	T Carbon Disulfide	8.271	6.950	16.0	93	0.01
23	T trans-1,2-Dichloroethene	4.041	3.870	4.2	94	0.00
24	T 1,1-Dichloroethane	4.473	4.415	1.3	96	0.00
25	T Methyl tert-Butyl Ether	5.901	5.528	6.3	92	0.00
26	T Vinyl Acetate	0.365	0.347	4.9	88	0.00
27	T 2-Butanone	1.493	1.221	18.2	89	0.00
28	T cis-1,2-Dichloroethene	3.707	3.564	3.9	94	0.00
29	T Diisopropyl Ether	1.606	1.513	5.8	95	0.00
30	T Ethyl Acetate	1.106	0.923	16.5	91	0.00
31	T n-Hexane	5.388	5.053	6.2	95	0.00
32	T Chloroform	3.087	3.012	2.4	96	0.00
33	S 1,2-Dichloroethane-d4 (SS1)	2.563	2.415	5.8	94	0.00
34	T Tetrahydrofuran	1.311	1.160	11.5	86	0.00
35	T Ethyl tert-Butyl Ether	2.330	2.265	2.8	95	0.00
36	T 1,2-Dichloroethane	3.498	3.376	3.5	95	0.00
37	IR 1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	95	0.00
38	T 1,1,1-Trichloroethane	0.611	0.675	-10.5	102	0.00
39	T Isopropyl Acetate	0.387	0.387	0.0	92	0.00
40	T 1-Butanol	0.525	0.370	29.5	61	0.00
41	T Benzene	1.606	1.535	4.4	91	0.00
42	T Carbon Tetrachloride	0.478	0.531	-11.1	102	0.00
43	T Cyclohexane	0.623	0.607	2.6	93	0.00
44	T tert-Amyl Methyl Ether	1.169	1.158	0.9	91	0.00
45	T 1,2-Dichloropropane	0.552	0.566	-2.5	94	0.00
46	T Bromodichloromethane	0.526	0.558	-6.1	96	0.00
47	T Trichloroethene	0.326	0.345	-5.8	100	0.00
48	T 1,4-Dioxane	0.339	0.282	16.8	87	0.00
49	T Isooctane	2.635	2.737	-3.9	94	0.00
50	T Methyl Methacrylate	0.146	0.150	-2.7	94	0.00
51	T n-Heptane	0.434	0.405	6.7	88	0.00

E-71917

248

Evaluate Continuing Calibration Report

Data Path : J:\MS08\DATA\2007_07\06\
 Data File : 07060716.D
 Acq On : 6 Jul 2007 20:12
 Operator : SC
 Sample : 25ng TO-15 CCV (COLEING)
 Misc : S15-06190701/S15-06120703
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 09 08:08:15 2007
 Quant Method : J:\MS08\METHODS\R8061907.M
 Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
 QLast Update : Wed Jun 20 09:06:46 2007
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 T	cis-1,3-Dichloropropene	0.673	0.680	-1.0	91	0.00
53 T	4-Methyl-2-pentanone	0.603	0.553	8.3	88	0.00
54 T	trans-1,3-Dichloropropene	0.616	0.637	-3.4	93	0.00
55 T	1,1,2-Trichloroethane	0.376	0.392	-4.3	96	0.00
56 I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	93	0.00
57 S	Toluene-d8 (SS2)	2.194	2.192	0.1	94	0.00
58 T	Toluene	2.792	2.814	-0.8	94	0.00
59 T	2-Hexanone	2.881	2.071	28.1	77	0.00
60 T	Dibromochloromethane	0.622	0.692	-11.3	100	0.00
61 T	1,2-Dibromoethane	0.685	0.709	-3.5	95	0.00
62 T	Butyl Acetate	3.014	2.221	26.3	72	0.00
63 T	n-Octane	0.960	0.987	-2.8	93	0.00
64 T	Tetrachloroethene	0.580	0.642	-10.7	104	0.00
65 T	Chlorobenzene	1.603	1.646	-2.7	95	0.00
66 T	Ethylbenzene	3.219	3.305	-2.7	94	0.00
67 T	m- & p-Xylene	2.092	2.164	-3.4	94	0.00
68 T	Bromoform	0.400	0.469	-17.2	103	0.00
69 T	Styrene	1.716	1.699	1.0	90	0.00
70 T	o-Xylene	2.280	2.341	-2.7	94	0.00
71 T	n-Nonane	2.130	2.105	1.2	86	0.00
72 T	1,1,2,2-Tetrachloroethane	1.079	1.100	-1.9	91	0.00
73 S	Bromofluorobenzene (SS3)	0.566	0.638	-12.7	107	0.00
74 T	Cumene	2.666	2.780	-4.3	94	0.00
75 T	alpha-Pinene	1.597	1.566	1.9	87	0.00
76 T	n-Propylbenzene	3.818	3.998	-4.7	92	0.00
77 T	3-Ethyltoluene	2.859	3.020	-5.6	92	0.00
78 T	4-Ethyltoluene	2.684	2.751	-2.5	94	0.00
79 T	1,3,5-Trimethylbenzene	2.403	2.444	-1.7	93	0.00
80 T	alpha-Methylstyrene	1.232	1.013	17.8	73	0.00
81 T	2-Ethyltoluene	2.926	3.022	-3.3	92	0.00
82 T	1,2,4-Trimethylbenzene	2.390	2.414	-1.0	92	0.00
83 T	n-Decane	2.352	2.451	-4.2	91	0.00
84 T	Benzyl Chloride	2.461	2.484	-0.9	86	0.00
85 T	1,3-Dichlorobenzene	1.192	1.276	-7.0	96	0.00
86 T	1,4-Dichlorobenzene	1.168	1.242	-6.3	96	0.00
87 T	sec-Butylbenzene	3.142	3.273	-4.2	91	0.00
88 T	p-Isopropyltoluene	2.464	2.589	-5.1	91	0.00
89 T	1,2,3-Trimethylbenzene	2.305	2.374	-3.0	91	0.00
90 T	1,2-Dichlorobenzene	1.112	1.179	-6.0	95	0.00
91 T	d-Limonene	1.135	0.847	25.4	65	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.379	0.421	-11.1	90	0.00
93 T	n-Undecane	2.406	2.431	-1.0	84	0.00
94 T	1,2,4-Trichlorobenzene	0.242	0.261	-7.9	94	0.00
95 T	Naphthalene	2.872	2.776	3.3	81	0.00
96 T	n-Dodecane	2.350	2.143	8.8	75	0.00
97 T	Hexachloro-1,3-butadiene	0.496	0.556	-12.1	99	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

E-7/9/07

249

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Project ID: WDI

CAS Project ID: P2701887

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2 Lab File ID: 07030701.D
Analyst: Chaney Humphrey Date Analyzed: 07/03/07
Sampling Media: Summa Canister(s) Time Analyzed: 09:48
Test Notes:

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
24 Hour Standard	277387	9.19	1010066	11.15	482500	15.99
Upper Limit	388342	9.52	1414092	11.48	675500	16.32
Lower Limit	166432	8.86	606040	10.82	289500	15.66
Client Sample ID						
01 Method Blank	288500	9.17	1059858	11.14	478415	15.99
02 Lab Control Sample	278806	9.18	1015031	11.15	481837	15.99
03 Duplicate Lab Control Sample	277167	9.19	1011057	11.15	480383	16.00
04 WDI-VW-39-S-6-23-07	291044	9.18	1058993	11.15	479931	16.00
05 WDI-VW-39-D-6-23-07	288042	9.18	1041993	11.15	475113	15.99
06 WDI-VW-39-D-6-23-07 (Lab Duplicate)	289097	9.18	1052003	11.15	481632	16.00
07 WDI-VW-38-S-6-23-07	295806	9.19	1064026	11.16	471729	16.00
08 WDI-VW-37-S-6-23-07	290605	9.18	1034963	11.15	475575	15.99
09 WDI-VW-37-D-6-23-07	284759	9.18	1039371	11.15	479730	15.99
10 WDI-VW-56-S-6-23-07	284856	9.18	1037116	11.15	481276	16.00
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IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = 140% of internal standard area

AREA LOWER LIMIT = 60% of internal standard area

RT UPPER LIMIT = 0.33 minutes of internal standard RT

RT LOWER LIMIT = 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Verified by: M Date: 7/13/07 Page No.: 250

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC

Client Project ID: WDI

CAS Project ID: P2701887

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8

Lab File ID: 07030701.D

Analyst: Simon Cao

Date Analyzed: 07/03/07

Sampling Media: Summa Canister(s)

Time Analyzed: 09:02

Test Notes:

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
24 Hour Standard	359013	9.08	1670255	11.00	975922	15.82
Upper Limit	502618	9.41	2338357	11.33	1366291	16.15
Lower Limit	215408	8.75	1002153	10.67	585553	15.49
Client Sample ID						
01 Method Blank	349383	9.05	1636041	10.98	935240	15.81
02 Lab Control Sample	303978	9.07	1443662	11.00	852396	15.82
03 Duplicate Lab Control Sample	337030	9.08	1558600	11.00	913007	15.82
04 WDI-VW-42-S-6-24-07	321981	9.05	1544116	10.98	908367	15.81
05 WDI-VW-42-D-6-24-07	363286	9.05	1734547	10.98	995012	15.82
06 WDI-VW-42-S-6-24-07 (Lab Duplicate)	387105	9.04	1805670	10.98	1034590	15.81
07 WDI-VW-55-I-6-24-07	421510	9.05	1948633	10.99	1222011	15.82
08 WDI-VW-55-D-6-24-07	452399	9.08	2013041	11.00	1189393	15.82
09 WDI-VW-61-S-6-24-07	437566	9.05	2011361	10.98	1129277	15.81
10 WDI-VW-61-I-6-24-07	454651	9.06	2118554	11.00	1200859	15.82
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IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = 140% of internal standard area

AREA LOWER LIMIT = 60% of internal standard area

RT UPPER LIMIT = 0.33 minutes of internal standard RT

RT LOWER LIMIT = 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Verified by: w Date: 7/13/07 Page No.: 251

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Project ID: WDI

CAS Project ID: P2701887

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
 Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
 Analyst: Chaney Humphrey
 Sampling Media: Summa Canister(s)
 Test Notes:

Lab File ID: 07050702.D

Date Analyzed: 07/05/07

Time Analyzed: 10:32

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	281407	9.20	1024227	11.16	499381	16.00
	Upper Limit	393970	9.53	1433918	11.49	699133	16.33
	Lower Limit	168844	8.87	614536	10.83	299629	15.67
	Client Sample ID						
01	Method Blank	286168	9.18	1047452	11.15	484490	15.99
02	Lab Control Sample	267797	9.19	980989	11.16	484505	16.00
03	Duplicate Lab Control Sample	276927	9.20	1009735	11.16	492357	16.00
04	WDI-VW-37-D-6-23-07 (Dilution)	289237	9.18	1048403	11.15	488988	16.00
05	WDI-VW-38-D-6-23-07	278576	9.18	1011604	11.15	482437	16.00
06	WDI-VW-56-S-6-23-07-SC	284688	9.19	1041400	11.15	492265	16.00
07	WDI-VW-56-I-6-23-07	286247	9.18	1046014	11.15	496220	16.00
08	WDI-VW-29-S-6-24-07	278445	9.19	1039428	11.16	511904	16.00
09	WDI-VW-56-D-6-23-07	280721	9.17	1028338	11.15	488704	16.00
10	WDI-VW-29-I-6-24-07	280905	9.19	1022921	11.16	489249	16.00
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IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = 140% of internal standard area

AREA LOWER LIMIT = 60% of internal standard area

RT UPPER LIMIT = 0.33 minutes of internal standard RT

RT LOWER LIMIT = 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Verified by: m Date: 7/13/07 Page No.: 252

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Project ID: WDI

CAS Project ID: P2701887

Internal Standard Area and RT Summary

Test Code:	EPA TO-15 Modified	Lab File ID:	07050701.D
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Analyzed:	07/05/07
Analyst:	Simon Cao	Time Analyzed:	09:12
Sampling Media:	Summa Canister(s)		
Test Notes:			

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
24 Hour Standard	519212	9.07	2376532	11.00	1325415	15.82
Upper Limit	726897	9.40	3327145	11.33	1855581	16.15
Lower Limit	311527	8.74	1425919	10.67	795249	15.49
Client Sample ID						
01 Method Blank	484128	9.05	2257137	10.98	1262311	15.81
02 Duplicate Lab Control Sample	459254	9.08	2125597	11.00	1215104	15.82
03 Lab Control Sample	444299	9.07	2053859	11.00	1170966	15.82
04 WDI-VW-55-S-6-24-07	449302	9.06	2053886	10.99	1452816	15.82
05 WDI-VW-61-D-6-24-07	454132	9.05	2120124	10.99	1191596	15.81
06 WDI-VW-31-S-6-24-07	463679	9.05	2158649	10.99	1230984	15.82
07 WDI-VW-61-D-6-24-07 (Lab Duplicate)	455296	9.06	2083683	10.99	1176045	15.81
08 WDI-VW-46-I-6-24-07	419836	9.06	1936383	10.99	1093273	15.81
09 WDI-VW-46-D-6-24-07	412238	9.06	1924993	10.99	1101363	15.82
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19						
20						

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = 140% of internal standard area

AREA LOWER LIMIT = 60% of internal standard area

RT UPPER LIMIT = 0.33 minutes of internal standard RT

RT LOWER LIMIT = 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Verified by: W Date: 7/13/07 Page No.: 253

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Project ID: WDI

CAS Project ID: P2701887

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/HP5972/HP5890 II+/MS2
Analyst: Chaney Humphrey
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 07060703.D
Date Analyzed: 07/06/07
Time Analyzed: 12:08

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	232077	9.17	834368	11.14	374649	15.99
	Upper Limit	324908	9.50	1168115	11.47	524509	16.32
	Lower Limit	139246	8.84	500621	10.81	224789	15.66
	Client Sample ID						
01	Method Blank	238787	9.17	862168	11.14	366975	15.99
02	Lab Control Sample	233211	9.18	832954	11.15	375140	15.99
03	Duplicate Lab Control Sample	232923	9.18	832693	11.15	375337	16.00
04	WDI-VW-56-D-6-23-07 (Dilution)	319874	9.17	1161162	11.14	502453	15.99
05	WDI-VW-31-D-6-24-07 (Dilution)	320312	9.17	1161049	11.14	505169	15.99
06							
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20							

IS1 (BCM) = Bromochloromethane

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RT LOWER LIMIT = 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Verified by: msDate: 7/13/07Page No.: 254

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Page 1 of 1

Client: TRC
Client Project ID: WDI

CAS Project ID: P2701887

Internal Standard Area and RT Summary

Test Code:	EPA TO-15 Modified	Lab File ID:	07060701.D
Instrument ID:	Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8	Date Analyzed:	07/06/07
Analyst:	Simon Cao	Time Analyzed:	09:28
Sampling Media:	Summa Canister(s)		
Test Notes:			

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
24 Hour Standard	382879	9.07	1768583	11.00	1013979	15.82
Upper Limit	536031	9.40	2476016	11.33	1419571	16.15
Lower Limit	229727	8.74	1061150	10.67	608387	15.49
Client Sample ID						
01 Method Blank	359614	9.04	1674112	10.98	963176	15.81
02 Lab Control Sample	319928	9.08	1498714	11.00	881907	15.82
03 Duplicate Lab Control Sample	343324	9.08	1596930	11.00	934113	15.82
04 WDI-VW-46-S-6-24-07	341674	9.06	1595601	11.00	969276	15.82
05 WDI-VW-46-I-6-24-07 (Dilution)	358576	9.05	1671356	10.98	968547	15.81
06 WDI-VW-46-D-6-24-07 (Dilution)	351185	9.05	1654708	10.98	955062	15.82
07 WDI-VW-46-D-6-24-07-SC	350535	9.05	1657460	10.99	949585	15.82
08 WDI-VW-31-D-6-24-07	357114	9.06	1679065	10.99	993515	15.82
09 WDI-VW-46-D-6-24-07-SC (Dilution)	349785	9.04	1612281	10.98	936892	15.81
10 WDI-VW-29-D-6-24-07	345699	9.05	1607476	10.98	933704	15.82
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

IS1 (BCM) = Bromochloromethane

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AREA UPPER LIMIT = 140% of internal standard area

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Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Verified by: m Date: 7/13/07 Page No.: 255

	DATE/TIME	FILENAME	SAMPLE ID	MISC. INFO	POS	INIT	COMMENT
5	6/11/07 14:52	06110705.D	25ng TO-15 LCSD	S15-05250705/S15-05230703	12	✓	
6	6/11/07 15:38	06110706.D	Blank (100ml)	S15-05250705 no special bake	1		
7	6/11/07 16:43	06110707.D	P2701682-003 Dil (100ml)	[REDACTED]	12		
8	6/11/07 17:23	06110708.D	P2701682-003 Dup Dil (100ml)	[REDACTED]	12		PASS AS PUP
9	6/11/07 18:09	06110709.D	P2701682-003 (25ml)	[REDACTED]	12		
10	6/11/07 18:46	06110710.D	P2701657-002 Dil (200ml)	[REDACTED]	14		
1	6/12/07 9:35	06120701.D	25ng TO-15 CCV Std	S15-05250705/S15-05240704	1	✓	PASS
2	6/12/07 10:26	06120702.D	Method Blank (100ml)	S15-05250705	1		PASS
3	6/12/07 11:09	06120703.D	25ng TO-15 LCS	S15-05250705/S15-05230703	12		PASS
4	6/12/07 11:53	06120704.D	P2701646-003 (1.0ml)	[REDACTED]	1		
5	6/12/07 12:33	06120705.D	P2701646-003 (8.0ml)	[REDACTED]	1		
6	6/12/07 13:09	06120706.D	P2701646-003 Dup (8.0ml)	[REDACTED]	1		PASS AS PUP
7	6/12/07 14:27	06120707.D	CAS QC4A 6/9/07	1SC00481	5		NOT USED
8	6/12/07 16:01	06120708.D	CAS QC4A 6/9/07	1SC00481	5		PASS
9	6/12/07 16:37	06120709.D	P2701678-001 (0.50ml)	[REDACTED]	1		
10	6/12/07 17:36	06120710.D	Blank (100ml)	System Check	1		
11	6/12/07 18:12	06120711.D	25ng Std Check	S15-05250705/S15-05240704	1		
12	6/12/07 18:49	06120712.D	1ng Std Check	S15-05250705/S15-05250703	1		
13	6/12/07 19:26	06120713.D	0.5ng TO-15 ICAL Std	S15-05250705/S15-05250703	1		} 1.0 AL GOOD FOR ALL COMPOUNDS EXCEPT FOR O-3 mg > 100 ng
14	6/12/07 20:03	06120714.D	1ng TO-15 ICAL Std	S15-05250705/S15-05250703	1		
15	6/12/07 20:39	06120715.D	5ng TO-15 ICAL Std	S15-05250705/S15-05250703	1		} EXCEPT FOR ACETONE & Isobutanol
16	6/12/07 21:16	06120716.D	25ng TO-15 ICAL Std	S15-05250705/S15-05240704	1		1.0 mg → 100 mg
17	6/12/07 21:52	06120717.D	50ng TO-15 ICAL Std	S15-05250705/S15-05240704	1		
18	6/12/07 22:29	06120718.D	100ng TO-15 ICAL Std	S15-05250705/S15-05240704	1		
19	6/12/07 23:05	06120719.D	25ng TO-15 ICV Std	S15-05250705/S15-05230703	12		PASS

ALL GOOD FOR ALL COMPOUNDS
EXCEPT FOR O-3 mg > 100 ng
EXCEPT FOR ACETONE & Isobutanol
1.0 mg → 100 mg
8/6/13 log

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	6/19/07 13:48	06180701.D	Blank (1000ml)	S15-06190701	SC	1	
2	6/19/07 14:54	06190702.D	25ng TO-15 CCV STD	S15-06190701/06060701	SC	2	
3	6/19/07 15:45	06190703.D	5ng TO-15 CCV STD	S15-06190701/05250702	SC	2	
4	6/19/07 16:21	06190704.D	25ng TO-15 CCV STD	S15-06190701/06060701	SC	2	
5	6/19/07 16:57	06190705.D	0.5ng TO-15 CCV STD	S15-06190701/05250702	SC	2	
6	6/19/07 17:53	06190706.D	Blank (500ml)	Check System	SC	2	
7	6/19/07 18:29	06190707.D	Blank (200ml)	Check System	SC	2	
8	6/19/07 19:06	06190708.D	25ng BFB STD	S15-06190701	SC	2	Passed
9	6/19/07 19:42	06190709.D	0.5ng TO-15 ICAL STD	S15-06190701/S15-05250702	SC	2	?
10	6/19/07 20:18	06190710.D	1ng TO-15 ICAL STD	S15-06190701/S15-05250702	SC	2	ICAL Passed for all compounds
11	6/19/07 20:54	06190711.D	5ng TO-15 ICAL STD	S15-06190701/S15-05250702	SC	2	
12	6/19/07 21:30	06190712.D	25ng TO-15 ICAL STD	S15-06190701/S15-06060701	SC	2	0.5mcg 100ng
13	6/19/07 22:06	06190713.D	50ng TO-15 ICAL STD	S15-06190701/S15-06060701	SC	2	
14	6/19/07 22:42	06190714.D	100ng TO-15 ICAL STD	S15-06190701/S15-06060701	SC	2	
15	6/19/07 23:18	06190715.D	25ng TO-15 ICV STD	S15-06190701/S15-06070701	SC	3	Acetone, 2-hexanone, hexane
16	6/20/07 09:37	06190716.D	25ng TO-15 ICV STD	S15-06190701/S15-06180704	SC	4	Passed all comp.
1	6/20/07 10:30	06200701.D	25ng TO-15 CCV STD	S15-06190701/06060701	AB	2	Passed
2	6/20/07 11:22	06200702.D	TO-15 Method Blank (1000ml)	S15-06190701	AB	2	PASSED
3	6/20/07 12:05	06200703.D	1.0ng CRQL std	S15-06190701/S15-05250702	AB	2	PASSED
4	6/20/07 12:43	06200704.D	25ng TO-15 LCS	S15-06190701/S15-06180704	AB	4	PASSED
5	6/20/07 13:25	06200705.D	25ng TO-15 LCSD	S15-06190701/S15-06180704	AB	4	PASSED AS DPD
6	6/20/07 14:06	06200706.D	P2701715-008 (1000ml)	[REDACTED] 3.5)	AB	14	
7	6/20/07 14:47	06200707.D	P2701715-009 (1000ml)	[REDACTED] 3.7, 3.5)	AB	15	
8	6/20/07 15:28	06200708.D	P2701715-009 Dup (1000ml)	[REDACTED] 3.7, 3.5)	AB	15	PASSED AS DPD
9	6/20/07 16:08	06200709.D	P2701715-010 (1000ml)	[REDACTED] 3.8, 3.5)	AB	16	
10	6/20/07 16:59	06200710.D	P2701715-002 (1000ml)	[REDACTED] 3.5, 3.5)	AB	7	CASOLINE LR (STD)
11	6/20/07 17:41	06200711.D	P2701715-003 (1000ml)	[REDACTED] 3.3, 3.6)	AB	8	
12	6/20/07 18:22	06200712.D	P2701715-004 (1000ml)	[REDACTED] 3.3, 3.5)	AB	9	
13	6/20/07 19:52	06200713.D	P2701715-002 (1000ml)	[REDACTED] 3.0, 0.0)	AB	16	
14	6/20/07 20:28	06200714.D	25ng TO-15 CCV STD	S15-06190701/06060701	AB	2	Acetone 2-hexanone Benzyl Lin
15	6/20/07 21:04	06200715.D	Blank		AB	2	
16	6/20/07 21:40	06200716.D	P2701706-001 (400ml)	[REDACTED] 9, 10.0)	AB	3	
17	6/20/07 22:16	06200717.D	P2701706-002 (400ml)	[REDACTED] 8, 10.0)	AB	4	
18	6/20/07 22:52	06200718.D	P2701706-003 (400ml)	[REDACTED] 4.2, 10.3)	AB	5	
19	6/20/07 23:28	06200719.D	P2701706-006 (400ml)	[REDACTED] 3.3, 10.0)	AB	6	
20	6/21/07 0:04	06200720.D	P2701706-007 (400ml)	[REDACTED] 3.4, 10.0)	AB	7	
21	6/21/07 0:40	06200721.D	P2701706-008 (400ml)	[REDACTED] 1, 10.0)	AB	8	
22	6/21/07 1:16	06200722.D	P2701706-010 (400ml)	[REDACTED] 1.8, 10.0)	AB	9	
23	6/21/07 1:52	06200723.D	P2701706-011 (400ml)	[REDACTED] 3.6, 10.0)	AB	10	
24	6/21/07 2:28	06200724.D	P2701706-012 (400ml)	[REDACTED] 4.0, 10.0)	AB	12	
25	6/21/07 3:05	06200725.D	P2701706-014 (400ml)	[REDACTED] 4.7, 10.0)	AB	13	

	DATE/TIME	FILENAME	SAMPLE ID	MISC. INFO	AS POS	INIT	COMMENT
1	7/2/07 9:52	07020701.D	Blank (200ml)	EM Check	1	✓	✓
2	7/2/07 10:37	07020702.D	Blank (200ml)	System Check	1		
3	7/2/07 11:19	07020703.D	5ng TO-15 CCV Std	S15-06180707/S15-06180706	1		NOT 12.5%
4	7/2/07 12:00	07020704.D	5ng TO-15 CCV Std	S15-06180707/S15-06290704	1		PASS
5	7/2/07 12:54	07020705.D	Method Blank (1000ml)	S15-06180707	1		PASS
6	7/2/07 13:31	07020706.D	25ng TO-15 LCS	S15-06180707/S15-06290708	2		PASS
7	7/2/07 14:16	07020707.D	P2701807-009 (100ml)	[REDACTED] (-1.1, 10.1)	5		
8	7/2/07 14:53	07020708.D	P2701807-009 Dup (100ml)	[REDACTED] (-1.1, 10.1)	5		PASS AS DUP
9	7/2/07 15:31	07020709.D	P2701807-009 Dil (25ml)	[REDACTED] (-1.1, 10.1)	5		
10	7/2/07 16:08	07020710.D	P2701807-009 Dup Dil (25ml)	[REDACTED] (-1.1, 10.1)	5		PASS AS DUP Dil.
11	7/2/07 16:45	07020711.D	P2701807-010 (10ml)	[REDACTED] (-1.0, 10.0)	1		
12	7/2/07 17:25	07020712.D	P2701807-013 (100ml)	[REDACTED] (-0.8, 10.1)	5		
13	7/2/07 18:32	07020713.D	P2701807-010 (75ml)	[REDACTED] (-1.0, 10.0)	3		
14	7/2/07 19:09	07020714.D	P2701807-011 Dil (50ml)	[REDACTED] (-1.0, 10.0)	4		
15	7/2/07 19:45	07020715.D	P2701807-013 Dil (25ml)	[REDACTED] (-0.8, 10.1)	5		
16	7/2/07 20:23	07020716.D	P2701807-014 (150ml)	[REDACTED] (-0.2, 10.0)	6		
17	7/2/07 20:59	07020717.D	P2701807-015 (100ml)	[REDACTED] (-0.5, 10.0)	7		
18	7/2/07 21:36	07020718.D	P2701807-016 (150ml)	[REDACTED] (-0.8, 10.1)	4		
19	7/2/07 22:12	07020719.D	P2701807-017 (400ml)	[REDACTED] (-0.3, 10.2)	9		
20	7/2/07 22:49	07020720.D	P2701807-019 (75ml)	[REDACTED] (-0.7, 10.1)	11		
21	7/2/07 23:25	07020721.D	P2701807-021 (100ml)	[REDACTED] (-0.7, 10.1)	12		
22	7/3/07 0:02	07020722.D	P2701807-022 (100ml)	[REDACTED] (-0.9, 10.0)	13		
23	7/3/07 0:39	07020723.D	P2701807-023 (75ml)	[REDACTED] (-0.6, 10.0)	14		
24	7/3/07 1:16	07020724.D	P2701807-024 (75ml)	[REDACTED] (-0.5, 10.2)	15		
25	7/3/07 1:53	07020725.D	P2701807-025 (200ml)	[REDACTED] (-1.9, 10.5)	16		
26	7/3/07 2:30	07020726.D	P2701807-018 (25ml)	[REDACTED] (-3.5, 10.1)	10		
1	7/3/07 9:48	07030701.D	25ng TO-15 CCV Std	S15-06180707/S15-06290701	1		PASS
2	7/3/07 10:43	07030702.D	Method Blank (1000ml)	S15-06180707	1		PASS
3	7/3/07 11:20	07030703.D	25ng TO-15 LCS	S15-06180707/S15-06290708	2		PASS
4	7/3/07 12:08	07030704.D	25ng TO-15 LCSD	S15-06180707/S15-06290708	2		PASS AS LCS DUP.
5	7/3/07 12:44	07030705.D	1ng CRQL Std	S15-06180707/S15-06290704	1		
6	7/3/07 13:46	07030706.D	P2701887-001 (1000ml)	TRC WDI-VW-39-S-6-23-07 (-3.4, 3.5)	5		
7	7/3/07 14:27	07030707.D	P2701887-002 (1000ml)	TRC WDI-VW-39-D-6-23-07 (-3.1, 3.5)	6		
8	7/3/07 15:07	07030708.D	P2701887-002 Dup (1000ml)	TRC WDI-VW-39-D-6-23-07 (-3.1, 3.5)	6		PASS AS DUP.
9	7/3/07 15:44	07030709.D	1ng CRQL Std	S15-06180707/S15-06290704	1		
10	7/3/07 16:20	07030710.D	1ng CRQL Std	S15-06180707/S15-06120706	1		
11	7/3/07 17:34	07030711.D	P2701887-003 (1000ml)	TRC WDI-VW-38-S-6-23-07 (-4.1, 3.6)	3		
12	7/3/07 18:10	07030712.D	P2701887-004 (1000ml)	TRC WDI-VW-38-D-6-23-07 (-3.0, 3.5)	3		CAN CLOSER.
13	7/3/07 19:03	07030713.D	P2701887-005 (1000ml)	TRC WDI-VW-37-S-6-23-07 (-4.0, 3.6)	4		
14	7/3/07 19:43	07030714.D	P2701887-006 (1000ml)	TRC WDI-VW-37-D-6-23-07 (-3.8, 3.9)	5		
15	7/3/07 20:23	07030715.D	P2701887-007 (1000ml)	TRC WDI-VW-56-S-6-23-07 (-3.5, 3.4)	6		
16	7/3/07 21:00	07030716.D	25ng TO-15 CCV	S15-06180707/S15-06290701	1		PASS
17	7/3/07 21:36	07030717.D	Blank (100ml)	System Check	1		
18	7/3/07 22:13	07030718.D	P2701807-020 (75ml)	[REDACTED]	15		
19	7/3/07 22:50	07030719.D	P2701807-024 Dil (25ml)	[REDACTED]	16		
20	7/3/07 23:30	07030720.D	P2701846-001 (1000ml)	[REDACTED]	7		
21	7/4/07 0:06	07030721.D	P2701846-001 Dil (100ml)	[REDACTED]	7		
22	7/4/07 0:47	07030722.D	P2701846-002 (1000ml)	[REDACTED]	8		
23	7/4/07 1:27	07030723.D	P2701846-003 (1000ml)	[REDACTED]	9		
24	7/4/07 2:07	07030724.D	P2701873-001 (1000ml)	[REDACTED]	10		

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	7/3/07 9:02	07030701.D	25ng TO-15 CCV STD	S15-06190701/S15-06060701	SC	1	Passed
2	7/3/07 9:57	07030702.D	TO-15 Method Blank (1000ml)	S15-06190701	SC	2	Passed
3	7/3/07 10:33	07030703.D	1ng TO-15 CRQL STD	S15-06190701/S15-06120706	SC	1	Passed
4	7/3/07 11:27	07030704.D	25ng TO-15 LCS STD	S15-06190701/S15-06290707	SC	4	Passed for TRC
5	7/3/07 12:05	07030705.D	25ng TO-15 LCSD STD	S15-06190701/S15-06290707	SC	4	Passed for TRC
6	7/3/07 13:01	07030706.D	P2701887-011 (1000ml)	TRC WDI-VW-42-S-6-24-07 (-3.0,3.7)	SC	6	
7	7/3/07 13:42	07030707.D	P2701887-012 (1000ml)	TRC WDI-VW-42-D-6-24-07 (-3.2,3.6)	SC	7	
8	7/3/07 14:21	07030708.D	P2701887-011 DUP (1000ml)	TRC WDI-VW-42-S-6-24-07 (-3.0,3.7)	SC	7	Passed
9	7/3/07 14:58	07030709.D	P2701887-013 (3.0ml)	TRC WDI-VW-55-S-6-24-07 (-2.7,4.1)	SC	1	Case file
10	7/3/07 15:40	07030710.D	P2701887-013 (200ml)	TRC WDI-VW-55-S-6-24-07 (-2.7,4.1)	SC	8	Case file
11	7/3/07 16:26	07030711.D	P2701887-014 (300ml)	TRC WDI-VW-55-I-6-24-07 (-3.1,3.5)	SC	9	
12	7/3/07 17:25	07030712.D	P2701887-015 (1000ml)	TRC WDI-VW-55-D-6-24-07 (-2.6,3.5)	SC	10	
13	7/3/07 18:05	07030713.D	P2701887-016 (1000ml)	TRC WDI-VW-61-S-6-24-07 (-3.4,4.1)	SC	13	
14	7/3/07 18:42	07030714.D	P2701887-017 (500ml)	TRC WDI-VW-61-I-6-24-07 (-3.8,3.5)	SC	12	
15	7/3/07 19:19	07030715.D	25ng TO-15 CCV STD (CLOSING)	S15-06190701/S15-06060701	SC	1	Passed except Action 2-Harmonie

1	7/5/07 9:12	07050701.D	25ng TO-15 CCV STD	S15-06190701/S15-06060701	SC	1	Passed
2	7/5/07 10:06	07050702.D	TO-15 Method Blank (1000ml)	S15-06190701	SC	2	Passed
3	7/5/07 10:52	07050703.D	1ng TO-15 CRQL STD	S15-06190701/S15-06120702	SC	1	Passed
4	7/5/07 11:44	07050704.D	25ng TO-15 LCS STD	S15-06190701/S15-06290707	SC	4	Case file
5	7/5/07 13:16	07050705.D	25ng TO-15 LCSD STD	S15-06190701/S15-06290707	SC	4	Passed
6	7/5/07 14:08	07050706.D	25ng TO-15 LCS STD	S15-06190701/S15-06290707	SC	8	Case file
7	7/5/07 14:58	07050707.D	25ng TO-15 LCS STD	S15-06190701/S15-06290707	SC	4	Passed
8	7/5/07 15:35	07050708.D	P2701887-013 (50ml)	TRC WDI-VW-55-S-6-24-07 (-2.7,4.1)	SC	8	
9	7/5/07 16:17	07050709.D	P2701887-018 (500ml)	TRC WDI-VW-61-D-6-24-07 (-2.6,3.7)	SC	5	
10	7/5/07 16:58	07050710.D	P2701887-019 (1000ml)	TRC WDI-VW-31-S-6-24-07 (-2.9,3.5)	SC	6	
11	7/5/07 17:51	07050711.D	P2701887-018 DUP (500ml)	TRC WDI-VW-61-D-6-24-07 (-2.6,3.7)	SC	5	Passed
12	7/5/07 18:27	07050712.D	P2701887-020 (400ml)	TRC WDI-VW-46-S-6-24-07 (-3.7,3.5)	SC	7	RR
13	7/5/07 19:08	07050713.D	P2701887-021 (1000ml)	TRC WDI-VW-46-I-6-24-07 (-4.1,3.7)	SC	3	
14	7/5/07 19:49	07050714.D	P2701887-022 (1000ml)	TRC WDI-VW-46-D-6-24-07 (-3.9,3.5)	SC	9	
15	7/5/07 20:26	07050715.D	25ng TO-15 CCV (CLOSING)	S15-06190701/S15-06060701	SC	1	Passed
16	7/5/07 21:03	07050716.D	BLANK (200ml)	Rinse	SC	2	
17	7/5/07 21:43	07050717.D	P2701909-001 (1000ml)	[REDACTED] -2.1,3.5)	SC	12	
18	7/5/07 22:24	07050718.D	P2701909-002 (1000ml)	[REDACTED] -1.7,3.5)	SC	13	
19	7/5/07 23:05	07050719.D	P2701909-003 (1000ml)	[REDACTED] -2.1,3.5)	SC	14	
20	7/5/07 23:46	07050720.D	P2701909-004 (1000ml)	[REDACTED] -2.5,3.5)	SC	15	
21	7/6/07 0:27	07050721.D	P2701909-005 (1000ml)	[REDACTED] -1.0,3.5)	SC	16	
22	7/6/07 1:08	07050722.D	P2701909-005 DUP(1000ml)	[REDACTED] -1.0,3.5)	SC	16	Passed

	DATE/TIME	FILENAME	SAMPLE ID	MISC. INFO	AS POS	INIT	COMMENT
25	7/4/07 2:47	07030725.D	P2701873-002 (1000ml)	[REDACTED] (-1.9, 3.5) 11 ✓			
26	7/4/07 3:27	07030726.D	P2701873-003 (1000ml)	[REDACTED] (-2.2, 3.5) 12			
27	7/4/07 4:07	07030727.D	P2701873-004 (1000ml)	[REDACTED] (-2.6, 3.5) 13			
28	7/4/07 4:47	07030728.D	P2701873-005 (1000ml)	[REDACTED] (-3.5, 3.5) 14			
1	7/5/07 9:29	07050701.D	25ng TO-15 CCV Std	S15-06180707/S15-06290701	1	CALC NOT USED	
2	7/5/07 10:32	07050702.D	25ng TO-15 CCV Std	S15-06180707/S15-06290701	1	PASS	
3	7/5/07 11:20	07050703.D	Method Blank (1000ml)	S15-06180707	1	PASS	
4	7/5/07 11:55	07050704.D	1ng CRQL Std	S15-06180707/S15-06290704	1		
5	7/5/07 12:43	07050705.D	1ng CRQL Std	S15-06180707/S15-06290702	1		
6	7/5/07 13:19	07050706.D	25ng TO-15 LCS	S15-06180707/S15-06290708	2	NOT USED	
7	7/5/07 13:56	07050707.D	25ng TO-15 LCS	S15-06180707/S15-06290708	2	PASS	
8	7/5/07 14:33	07050708.D	25ng TO-15 LCSD	S15-06180707/S15-06290708	2	PASS AS LCS DUE	
9	7/5/07 15:13	07050709.D	P2701887-006 Dil (100ml)	TRC WDI-VW-37-D-6-23-07 (-3.8, 3.9) 3			
10	7/5/07 15:53	07050710.D	P2701887-004 Dil (100ml) (100ml)	TRC WDI-VW-38-D-6-23-07 (-3.0, 3.5) 4			
11	7/5/07 16:34	07050711.D	P2701887-004 Dup (100ml) (100ml)	TRC WDI-VW-38-D-6-23-07 (-3.0, 3.5) 4		PASS AS DUP, EXTRD DUP.	
12	7/5/07 17:27	07050712.D	P2701887-008 (1000ml)	TRC WDI-VW-56-S-6-23-07-SC (-3.8, 3.6)			
13	7/5/07 18:15	07050713.D	P2701887-009 (1000ml)	TRC WDI-VW-56-I-6-23-07 (-3.7, 3.5) 3			
14	7/5/07 19:12	07050714.D	P2701887-025 (1000ml)	TRC WDI-VW-29-S-6-24-07 (-3.8, 3.5) 5			
15	7/5/07 19:52	07050715.D	P2701887-010 (1000ml)	TRC WDI-VW-56-D-6-23-07 (-2.9, 3.5) 4			
16	7/5/07 20:32	07050716.D	P2701887-026 (1000ml)	TRC WDI-VW-29-I-6-24-07 (-0.3, 3.6) 6			
17	7/5/07 21:09	07050717.D	25ng TO-15 CCV Std	S15-06180707/S15-06290701	1		
18	7/5/07 21:45	07050718.D	Blank (100ml)	System Check	1		
19	7/5/07 22:22	07050719.D	P2701846-001 Dil (100ml)	[REDACTED] (-1.6, 3.6) 3			
20	7/5/07 22:58	07050720.D	P2701857-001 (100ml)	[REDACTED] (0.3, 10.4) 15			
21	7/5/07 23:35	07050721.D	P2701857-002 (100ml)	[REDACTED] (0.0, 10.0) 16			
22	7/6/07 0:11	07050722.D	P2701851-001 (400ml)	[REDACTED] (-1.1, 10.0) 7			
23	7/6/07 0:48	07050723.D	P2701851-002 (400ml)	[REDACTED] (-2.5, 10.0) 9			
24	7/6/07 1:24	07050724.D	P2701851-003 (400ml)	[REDACTED] (-4.1, 10.0) 10			
25	7/6/07 2:01	07050725.D	P2701851-004 (400ml)	[REDACTED] (-7.7, 10.5) 11			
26	7/6/07 2:37	07050726.D	P2701851-005 (400ml)	[REDACTED] (-1.0, 10.0) 12			
27	7/6/07 3:14	07050727.D	P2701851-006 (400ml)	[REDACTED] (-1.9, 10.0) 13			
28	7/6/07 3:50	07050728.D	P2701851-007 (400ml)	[REDACTED] (-1.4, 10.0) 14			
1	7/6/07 10:20	07060701.D	25ng TO-15 CCV Std	S15-06180707/S15-06290701	1	NOT USED	
2	7/6/07 11:28	07060702.D	25ng TO-15 CCV Std	S15-07060701/S15-06290701	1	NOT USED	at 7/6/07
3	7/6/07 12:08	07060703.D	25ng TO-15 CCV Std	S15-07060701/S15-06290701	1	NOT USED	
4	7/6/07 13:08	07060704.D	Method Blank (1000ml)	S15-07060701	1	NOT USED	
5	7/6/07 13:48	07060705.D	Method Blank (1000ml)	S15-07060701	1	PASS	
6	7/6/07 15:08	07060706.D	25ng TO-15 LCS	S15-07060701/S15-06290708	2	PASS	
7	7/6/07 15:44	07060707.D	25ng TO-15 LCSD	S15-07060701/S15-06290708	2	PASS AS LCS DUE	
8	7/6/07 16:21	07060708.D	1ng CRQL Std	S15-07060701/S15-06290704	1		
9	7/6/07 17:10	07060709.D	1ng CRQL Std	S15-07060701/S15-06290704	1	PASS except for U.V. not detected Reported Hg. 6.	
10	7/6/07 18:09	07060710.D	P2701887-009 Dil (100ml)	TRC WDI-VW-56-I-6-23-07 (-3.7, 3.5) 3			
11	7/6/07 18:55	07060711.D	P2701887-009 Dil Dup (100ml)	TRC WDI-VW-56-I-6-23-07 (-3.7, 3.5) 3		Cast File; Extra Dup	
12	7/6/07 19:32	07060712.D	P2701887-010 Dil Dup (100ml)	TRC WDI-VW-56-D-6-23-07 (-2.9, 3.5) 4		PASS AS Dup. Cast File - Extra Dup	
13	7/6/07 20:08	07060713.D	P2701887-010 Dil (100ml)	TRC WDI-VW-56-D-6-23-07 (-2.9, 3.5) 4			
14	7/6/07 20:45	07060714.D	P2701887-024 Dil (100ml)	TRC WDI-VW-31-D-6-24-07 (-3.1, 3.4) 5			
15	7/6/07 21:22	07060715.D	25ng TO-15 CCV Std	S15-07060701/S15-06290701	1	CAN CLOSED	
16	7/6/07 21:58	07060716.D	Blank (100ml)	System check	1		
17	7/6/07 22:39	07060717.D	P2701992-001 (1000ml)	[REDACTED] (-9.2, 4.0) 7			

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment	Date
1	7/6/07 9:28	07060701.D	25ng TO-15 CCV STD	S15-06190701/S15-06120703	SC	1	Passt	1 7/10/07 8:32
2	7/6/07 10:22	07060702.D	TO-15 Method Blank (1000ml)	S15-06190701 (QC Tank Lot #300-033208)	SC	2	Passt	2 7/10/07 9:21
3	7/6/07 11:02	07060703.D	1ng TO-15 CRQL STD	S15-06190701/S15-06120706	SC	1	Passt	3 7/10/07 10:1
4	7/6/07 11:41	07060704.D	25ng TO-15 LCS STD	S15-06190701/S15-06290707	SC	4	Passt TRC	4 7/10/07 11:0
5	7/6/07 13:01	07060705.D	25ng TO-15 LCSD STD	S15-06190701/S15-06290707	SC	4	Passt TRC	5 7/10/07 11:
6	7/6/07 13:52	07060706.D	P2701887-020 (400ml)	TRC WDI-VW-46-S-6-24-07 (-3.7,3.5)	SC	7		6 7/10/07 12:
7	7/6/07 14:29	07060707.D	P2701887-021 Dil (100ml)	TRC WDI-VW-46-I-6-24-07 (-4.1,3.7)	SC	3		7 7/10/07 13
8	7/6/07 15:07	07060708.D	P2701887-022 Dil (200ml)	TRC WDI-VW-46-D-6-24-07 (-3.9,3.5)	SC	9		8 7/10/07 14
9	7/6/07 15:47	07060709.D	P2701887-023 (1000ml)	TRC WDI-VW-46-D-6-24-07-SC (-4.7,3.5)	SC	10		9 7/10/07 14
10	7/6/07 16:27	07060710.D	P2701887-024 (1000ml)	TRC WDI-VW-31-D-6-24-07 (-3.1,3.4)	SC	11		10 7/10/07 15
11	7/6/07 17:04	07060711.D	P2701998-001 (500ml)	TRC WDI-IBM-21-6-30-07 (-2.6,3.7)	SC	2		11 7/10/07 11
12	7/6/07 17:42	07060712.D	P2701998-001DUP (500ml)	TRC WDI-IBM-21-6-30-07 (-2.6,3.7)	SC	2	Passt	12 7/10/07 1
13	7/6/07 18:18	07060713.D	P2701998-002 (500ml)	TRC WDI-IBM-21-6-30-07-SC (-3.2,3.7)	SC	3		13 7/10/07 1
14	7/6/07 18:55	07060714.D	P2701887-023 Dil (100ml)	TRC WDI-VW-46-D-6-24-07-SC (-4.7,3.5)	SC	10		14 7/10/07 1
15	7/6/07 19:36	07060715.D	P2701887-027 (1000ml)	TRC WDI-VW-29-D-6-24-07 (-3.7,3.6)	SC	11		15 7/10/07
16	7/6/07 20:12	07060716.D	25ng TO-15 CCV (COLEING)	S15-06190701/S15-06120703	SC	1	Passt	16 7/10/07
								17 7/10/07

1	7/9/07 8:58	07090701.D	25ng TO-15 CCV STD	S15-07090701/S15-06120703	SC	1	Passt file	1 7/11/07
2	7/9/07 9:56	07090702.D	25ng TO-15 CCV STD	S15-07090701/S15-06120703	SC	1	Passt	2 7/11/07
3	7/9/07 10:53	07090703.D	TO-15 Method Blank (1000ml)	S15-07090701	SC	2	Passt	3 7/11/07
4	7/9/07 11:29	07090704.D	1ng TO-15 CRQL STD	S15-07090701/S15-06120706	SC	1	Passt	4 7/11/07
5	7/9/07 12:05	07090705.D	25ng TO-15 LCS STD	S15-07090701/S15-06290707	SC	4	Passt	5 7/11/07
6	7/9/07 12:41	07090706.D	25ng TO-15 LCSD STD	S15-07090701/S15-06290707	SC	4	Passt TRC	6 7/11/07
7	7/9/07 13:49	07090707.D	P2701955-001 (1000ml)	[REDACTED] (-1.3,3.5)	SC	5		7 7/11/07
8	7/9/07 14:30	07090708.D	P2701955-002 (1000ml)	[REDACTED] (-2.4,3.5)	SC	6		8 7/11/07
9	7/9/07 15:11	07090709.D	P2701955-002 DUP(1000ml)	[REDACTED] (-2.4,3.5)	SC	6	Passt	9 7/11/07
10	7/9/07 15:48	07090710.D	P2701887-009 DIL (100ml)	[REDACTED] (-3.7,3.5)	SC	7		10 7/11/07
11	7/9/07 16:29	07090711.D	P2701954-002 (1000ml)	[REDACTED] (-2.1,3.5)	SC	8		11 7/11/07
12	7/9/07 17:37	07090712.D	P2701954-003 (1000ml)	[REDACTED] (-3.9,3.5)	SC	9		12 7/11/07
13	7/9/07 18:18	07090713.D	P2701954-004 (1000ml)	[REDACTED] (-3.7,3.5)	SC	10		13 7/11/07
14	7/9/07 18:59	07090714.D	P2701954-005 (1000ml)	[REDACTED] (-2.5,3.5)	SC	11		14 7/11/07
15	7/9/07 19:39	07090715.D	P2701954-006 (1000ml)	[REDACTED] (-2.7,3.6)	SC	12		15 7/11/07
16	7/9/07 20:20	07090716.D	P2701954-001 (1000ml)	[REDACTED] (-3.5,3.5)	SC	13		16 7/11/07
17	7/9/07 20:57	07090717.D	25ng TO-15 CCV (CLOSING)	S15-07090701/S15-06120703	SC	1	Passt	17 7/11/07
18	7/9/07 21:37	07090718.D	P2701910-001 (1000ml)	[REDACTED] (-2.3,3.5)	SC	13		
19	7/9/07 22:18	07090719.D	P2701910-002 (1000ml)	[REDACTED] (-1.6,3.5)	SC	14		
20	7/9/07 22:59	07090720.D	P2701910-003 (1000ml)	[REDACTED] (-2.3,3.5)	SC	15		
21	7/9/07 23:40	07090721.D	P2701910-004 (1000ml)	[REDACTED] (-2.5,3.5)	SC	16		
22	7/10/07 0:21	07090722.D	P2701910-005 (1000ml)	[REDACTED] (-2.6,3.5)	SC	3		
23	7/10/07 0:57	07090723.D	P2701867-001 (300ml)	[REDACTED] (-3,10.4)	SC	4		
24	7/10/07 1:33	07090724.D	P2701867-002 (300ml)	[REDACTED] (-3,10.0)	SC	5		
25	7/10/07 2:09	07090725.D	P2701922-001 (500ml)	[REDACTED] (-3,3.6)	SC	6		
26	7/10/07 2:45	07090726.D	P2701904-001 (25ml)	[REDACTED] (-3,3.5)	SC	8		
27	7/10/07 3:22	07090727.D	blank (200ml)	rinse system	SC	1		



Columbia Analytical Services, Inc.
Air Quality Laboratory
An Employee Owned Company

QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07141
Quality Control Analyzed:	04-Jun-07
Cleaned:	23-May-07
Quality Control Analyzed on Container:	sc00635

Container IDs

- SC00298
- SC00063
- SC00936
- SC00948
- SC00754
- SC00928
- SC00947
- SC00869
- SC00576
- SC00635



Columbia Analytical Services, Inc.
Air Quality Laboratory
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QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07199
Quality Control Analyzed:	07-Jun-07
Cleaned:	02-Jun-07
Quality Control Analyzed on Container:	sc00917

Container IDs

- SC00186
- SC00413
- SC00287
- SC00917
- SC00882
- SC00098
- SC00668
- SC00791
- SC00916
- SC00657



Columbia Analytical Services, Inc.

Air Quality Laboratory

An Employee Owned Company

QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07201
Quality Control Analyzed:	07-Jun-07
Cleaned:	03-Jun-07
Quality Control Analyzed on Container:	sc00755

Container IDs

- SC00899
- SC00653
- SC00688
- SC00157
- SC00871
- SC00873
- SC00794
- SC00891
- SC00365
- SC00755



Columbia Analytical Services, Inc.
Air Quality Laboratory
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QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07096
Quality Control Analyzed:	07-Jun-07
Cleaned:	14-May-07
Quality Control Analyzed on Container:	sc00850

Container IDs

- SC00805
- SC00958
- SC00892
- SC00954
- SC00130
- SC00915
- SC00850
- SC00115
- SLC00005
- SC00904



Columbia Analytical Services, Inc.
Air Quality Laboratory
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QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07104
Quality Control Analyzed:	08-Jun-07
Cleaned:	16-May-07
Quality Control Analyzed on Container:	SC00709

Container IDs

- SC00764
- SC00798
- SC00709
- SC00955
- SC00605
- SC00086
- SC00626
- SC00240
- SC00527
- SC00132



Columbia Analytical Services, Inc.
Air Quality Laboratory
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QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07208
Quality Control Analyzed:	08-Jun-07
Cleaned:	04-Jun-07
Quality Control Analyzed on Container:	sc00801

Container IDs

- SC00744
- SC00180
- SC00150
- SC00864
- SC00598
- SC00918
- SC00232
- SC00819
- SC00801
- SC00372



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An Employee - Owned Company

Air - Chain of Custody Record & Analytical Service Request

Page 1 of 1

Project Name		Project Number	
WDT			

Requested Turnaround Time in Business Days (Surcharges) please circle	
1 Day (100%)	2 Day (75%)
3 Day (50%)	4 Day (35%)
5 Day (25%)	10 Day - Standard

CAS Project No.
01701885

Company Name & Address (Reporting Information)	Project Name		Analysis Method and/or Analytes		Comments e.g. Actual Preservative or specific instructions				
	Project Manager	P.O. # / Billing Information	VOCs	ERAs					
TRC 21 W. TECHNOLOGY DR. IRVINE, CA. 92618	ANAND HEMKAR Phone (949) 727-9336 Fax (949) 727-7399	STEVES CERTIFIED STAIN CHARTERED ANALYTICAL SOLUTIONS.COM	70-15	(TOTAL NON METHANE + METHANE) (ORGANIC CARBON + METHANE) ERA 25C MODIFIED ERA 3C MODIFIED (METHANE ONLY IT IS TAKEN) (FIXED GASES) CONCENTRATION ARE ELEVATED)					
Email Address for Result Reporting		Sampler (Print & Sign)							
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Sample Type (Air/Tube/Solid)	Canister ID (Bar Code - AC, SC, etc.)	Flow Controller (Bar Code - FC #)	Sample Volume		
WDT-VN-39-D-6-23-07	①-7.0	6-23-07	1044	AIR	SC00635	6V-5-126	6L	X	X
WDT-VN-38-S-6-23-07	②-1.3	6-23-07	1044	AIR	SC00916	6V-5-122	6L	X	X
WDT-VN-38-S-6-23-07	③-53.4	6-23-07	1123	AIR	SC00657	6V-5-100	6L	X	X
WDT-VN-38-D-6-23-07	④-6.2	6-23-07	1123	AIR	SC00917	6V-5-113	6L	X	X
WDT-VN-37-S-6-23-07	⑤-82	6-23-07	1703	AIR	SC0073	6V-5-063	6L	X	X
WAT-VN-37-D-6-23-07	⑥-1.7	6-23-07	1703	AIR	SC00576	6V-5-123	6L	X	X
WDT-VN-56-S-6-23-07	⑦-1.2	6-23-07	1750	AIR	SC00915	6V-5-135	6L	X	X
WDT-VN-56-S-6-23-07-SC	⑧-1.7	6-23-07	1750	AIR	SC00904	6V-5-129	6L	X	X
WAT-VN-56-T-6-23-07	⑨-1.5	6-23-07	1750	AIR	SC00954	6V-5-139	6L	X	X
WDT-VN-56-D-6-23-07	⑩-1.0	6-23-07	1750	AIR	SC00850	6V-5-125	6L	X	X
WDT-VN-42-S-6-24-07	⑪-6.2	6-24-07	1611	AIR	SC00794	6V-5-064	6L	X	X
WATE-VN-42-D-6-24-07	⑫-1.6	6-24-07	1611	AIR	SC00533	6V-5-033	6L	X	X
WAT-VN-55-S-6-24-07	⑬-5.5	6-24-07	0921	AIR	SC00086	6V-5-097	6L	X	X
WAT-VN-55-T-6-24-07	⑭-1.3	6-24-07	0921	AIR	SC00527	6V-5-147	6L	X	X
WDT-VN-55-D-6-24-07	⑮-5.2	6-24-07	6921	AIR	SC00626	6V-5-039	6L	X	X

Report Tier Levels - please select

Tier I - (Results/Default if not specified)

Tier II - (Results + QC)

Tier III - (Data Validation Package) 10% SurchARGE

Tier V - (client specified)

EDD required / No
Type: _____
EDD Units: _____

Project Requirements (MRUs, QAPP)

Retiring by (Signature)	Date:	Time:	Received by: (Signature)
Retained by (Signature)	2015-05-25	10:55:50	Received by: (Signature)
Retired by (Signature)	2015-05-25	10:55:50	Received by: (Signature)

Air - Chain of Custody Record & Analytical Service Request



2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

An Employee - Owned Company

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day - Standard

CAS Project No.
27018887

Page **1** of **1**

Company Name & Address (Reporting Information)		Project Name NDT	Analysis Method and/or Analytes		Comments e.g. Actual Preservative or specific instructions		
Laboratory ID Number ANAND HELEKAR	P.O. # / Billing Information Phone (949) 727-9336 Fax (949) 727-7399	Date Collected Email Address for Result Reporting AHELEKAR@TRESOLUTIONS.COM	Time Collected Address for Result Reporting 21 W. TECHNOLOGY DR. IRVINE, CA. 92618	Sample Type (Air/Tube/Solid) AIR		Canister ID (Bar Code # - AC, SC, etc.) SC00805	Flow Control# (Bar Code - FC #) 6V-5-087
<p><i>70-15</i></p> <p><i>LOC 38</i></p> <p><i>(EPA 25C MOBILE + METANE + ALKYLIC CARBON)</i></p> <p><i>(EPA 3C MOBILE + METANE + ALKYLIC CARBON)</i></p> <p><i>(GASED TREATMENTS ARE ELIMINATED)</i></p> <p><i>ANETHANE ONLY IN TENDO</i></p> <p><i>(EPA 3C MOBILE GASES)</i></p>							
<p><i>STEVEN CANTFORD STEVEN CANTFORD</i></p>							
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Sample Type (Air/Tube/Solid)	Canister ID (Bar Code # - AC, SC, etc.)	Flow Control# (Bar Code - FC #)	Sample Volume
NDT-VN-61-I-6-24-07	16-6-9	6-24-07	1223	AIR	SC00805	6V-5-087	6L
NDT-VN-61-D-6-24-07	17-7-8	6-24-07	1223	AIR	SC00413	6V-5-049	6L
NDT-VN-61-D-6-24-07	18-5-1	6-24-07	1223	AIR	SC00899	6V-5-120	6L
NDT-VN-31-S-6-24-07	19-5-9	6-24-07	1334	AIR	SC00372	6V-5-056	6L
NDT-VN-46-S-6-24-07	20-7-6	6-24-07	1054	AIR	SC00605	6V-5-144	6L
NDT-VN-46-I-6-24-07	21-8-3	6-24-07	1054	AIR	SC00891	6V-5-128	6L
NDT-VN-46-D-6-24-07	22-8-2	6-24-07	1054	AIR	SC00698	6V-5-137	6L
NDT-VN-46-D-6-24-07-22	23-9-6	6-24-07	1054	AIR	SC00871	6V-5-146	6L
NDT-VN-31-D-6-24-07	24-1-4	6-24-07	1334	AIR	SC00282	6V-5-038	6L
NDT-VN-29-S-6-24-07	25-1-7	6-24-07	1531	AIR	SC00180	6V-5-118	6L
NDT-VN-29-T-L-24-07	26-0-6	6-24-07	1531	AIR	SC00150	6V-5-089	6L
NDT-VN-29-D-6-24-07	27-1-5	6-24-07	1531	AIR	SC00864	6V-5-145	6L

Report Tier Levels - please select
Tier I - (Results/Default if not specified) _____
Tier II - (Results + QC) _____
Tier V - (client specified) _____

Relinquished by: (Signature)
Relinquished Date: _____ Received by: (Signature)
Relinquished Time: _____ Received by: (Signature)
Relinquished by: (Signature)
Relinquished Date: _____ Received by: (Signature)
Relinquished Time: _____ Received by: (Signature)

Tier III - (Data Validation Package) 10% Surcharge
Tier V - (client specified)

No
Type: _____
EDD required _____
EDD Units: _____

Project Requirements (MRLs, QAPP)

Date:	Time:	Date:	Time:	Date:	Time:
10/10/07	10:00	10/10/07	10:00	10/10/07	10:00
10/10/07	10:00	10/10/07	10:00	10/10/07	10:00

Date:	Time:	Date:	Time:	Date:	Time:
10/10/07	10:00	10/10/07	10:00	10/10/07	10:00
10/10/07	10:00	10/10/07	10:00	10/10/07	10:00